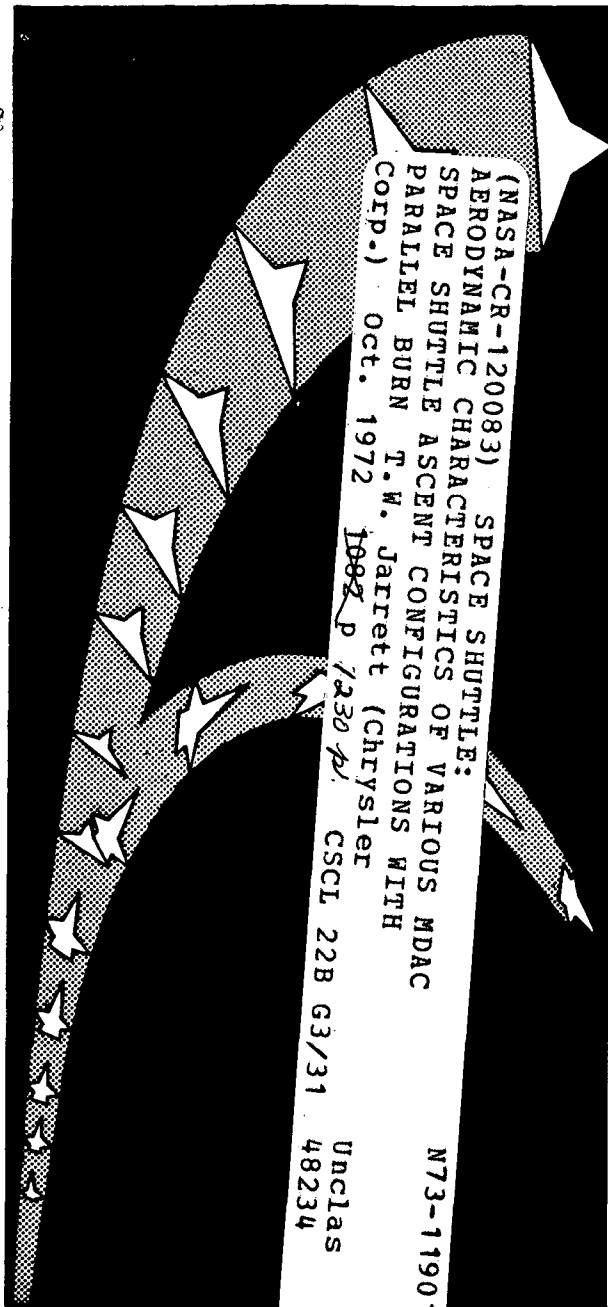


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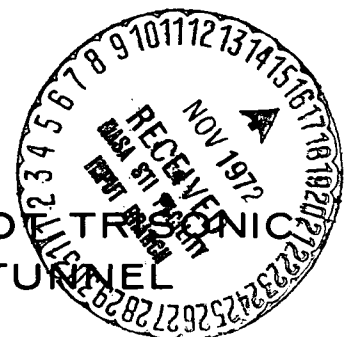
—SPACE SHUTTLE—

**AERODYNAMIC CHARACTERISTICS  
OF VARIOUS MDAC SPACE  
SHUTTLE ASCENT CONFIGUR-  
ATIONS WITH PARALLEL BURN  
PRESSURE-FED AND SRM BOOSTERS**

**VOLUME I  
TANKS T1 AND T2  
ASCENT CONFIGURATIONS**

by

**T. W. Jarrett, MDAC**



**MDAC 4-FOOT TRANSONIC  
WIND TUNNEL**

**SADSAC SPACE SHUTTLE  
AEROTHERMODYNAMIC  
DATA MANAGEMENT SYSTEM**

**CONTRACT NAS8-4016  
MARSHALL SPACE FLIGHT CENTER**



This document should  
be referenced as  
**NASA CR-120,083**

NASA Series Number: S-0441

DMS-DR-1230  
VOLUME I  
CR-120,083  
OCTOBER, 1972

SADSAC/SPACE SHUTTLE

WIND TUNNEL TEST DATA REPORT

CONFIGURATION: MDAC Pressure Fed and SRM Parallel Burn Ascent Configurations

TEST PURPOSE: To Define the Aerodynamic Characteristics of an Ascent  
Configuration, the Individual Component Contribution,  
Relative Orbiter and Booster Position and Interference Effects

TEST FACILITY: MDAC Aerophysics Lab. 4 Foot Trisonic Wind Tunnel

TESTING AGENCY: MDAC (W)

TEST NO. & DATE: S-222; 2 Dec. 1971 - 18 Jan. 1972, 25 Jan. 1972 - 8 Feb. 1972

FACILITY COORDINATOR: T. W. Jarrett, MDAC

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CONTRACT NAS 8-4016

AMENDMENT 174

DRL 297 - 84a

This report has been prepared by Chrysler Corporation Space Division under a Data Management Contract to the NASA. Chrysler assumes no responsibility for the data presented herein other than its display characteristics.



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## TABLE OF CONTENTS

	<u>PAGE</u>
Introduction	2
Nomenclature	4
Configurations Investigated	7
Test Facility	9
Models & Support Equipment	9
Data Reduction	10
Tables	
1. Test Conditions	13
2. Dataset Collation Sheets	15
3. Model Component Descriptions	36
4. Plume Definitions	62
5. Index of Model Figures	64
6. Index of Data Figures	68
Figures	
Model	87
Data	145

AERODYNAMIC CHARACTERISTICS OF VARIOUS MDAC SPACE SHUTTLE  
ASCENT CONFIGURATIONS WITH PARALLEL BURN PRESSURE-FED  
AND SRM BOOSTERS ( $M = 0.4 - 4.5$ )

By

T. W. Jarrett

INTRODUCTION

Various space shuttle ascent configurations were tested in the MDAC Aerophysics 4 x 4 Ft. Trisonic Wind Tunnel. The models were 0.6 percent scale. The ascent configurations consisted of a NASA/MSO 040A orbiter in combination with various HO centerline tank and booster geometries. The purposes of the tests were to determine the aerodynamics of the ascent configurations, the aerodynamic interference between components and its effect on orbiter aerodynamics, and to determine orbiter aileron effectiveness.

The model was sting mounted with either a single internal balance (in the orbiter HO tank) or dual internal balances (one in the orbiter and one in the orbiter HO tank). With the dual balance setup, three types of runs were made; one with tank alone on the tank balance, one with tank and two attached boosters on the tank balance, and one with the tank and one booster attached on the tank balance and the other booster isolated on a separate sting but in proximity to the tank and orbiter. In addition to the 6-component force and moment balance data, base pressure data were taken for the boosters, the tank and the orbiter. Angle of attack data included  $\alpha$  sweeps at  $0^\circ$  and  $6^\circ$   $\beta$  (the latter involving a knuckle change) and  $\beta$  sweeps at  $0^\circ$  and  $6^\circ$   $\alpha$ . Through the use of a remote roll device it was usually possible to get both an  $\alpha$  sweep and a  $\beta$  sweep in a single run.

## INTRODUCTION (Continued)

The report consists of five volumes arranged in the following manner:

- |            |                                                                   |
|------------|-------------------------------------------------------------------|
| Volume I   | Ascent configurations with centerline<br>HO tanks $T_1$ and $T_2$ |
| Volume II  | Ascent configurations with centerline<br>HO tank $T_3$            |
| Volume III | Ascent configurations with centerline<br>HO tank $T_4$            |
| Volume IV  | Ascent configuration plume studies<br>and configuration buildup   |
| Volume V   | Orbiter alone, Tanks alone and<br>Boosters alone                  |

NOMENCLATURE  
General

<u>SYMBOL</u>	<u>SADSAC SYMBOL</u>	<u>DEFINITION</u>
a		speed of sound; m/sec, ft/sec
C <sub>p</sub>	CP	pressure coefficient; $(p_1 - p_\infty)/q$
M	MACH	Mach number; $V/a$
p		pressure; N/m <sup>2</sup> , psf
q	Q(NSM) Q(PSF)	dynamic pressure; $1/2\rho V^2$ , N/m <sup>2</sup> , psf
RN/L	RN/L	unit Reynolds number; per m, per ft
V		velocity; m/sec, ft/sec
$\alpha$	ALPHA	angle of attack, degrees
$\beta$	BETA	angle of sideslip, degrees
$\psi$	PSI	angle of yaw, degrees
$\phi$	PHI	angle of roll, degrees
$\rho$		mass density; kg/m <sup>3</sup> , slugs/ft <sup>3</sup>

Reference & C.G. Definitions

A <sub>b</sub>		base area; m <sup>2</sup> , ft <sup>2</sup>
b	BREF	wing span or reference span; m, ft
c.g.		center of gravity
$\bar{c}$ $l_{REF}$	LREF	reference length or wing mean aerodynamic chord; m, ft
S	SREF	wing area or reference area; m <sup>2</sup> , ft <sup>2</sup>
	MRP	moment reference point
	XMRP	moment reference point on X axis
	YMRP	moment reference point on Y axis
	ZMRP	moment reference point on Z axis

SUBSCRIPTS

b	base
l	local
s	static conditions
t	total conditions
$\infty$	free stream

# NOMENCLATURE (Continued)

## Body-Axis System

<u>SYMBOL</u>	<u>SADSAC SYMBOL</u>	<u>DEFINITION</u>
$C_N$	CN	normal-force coefficient; $\frac{\text{normal force}}{qS}$
$C_A$	CA	axial-force coefficient; $\frac{\text{axial force}}{qS}$
$C_Y$	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
$C_{A_b}$	CAB	base-force coefficient; $\frac{\text{base force}}{qS}$ $-A_b(p_b - p_\infty)/qS$
$C_{A_f}$	CAF	forebody axial force coefficient, $C_A - C_{A_b}$
$C_m$	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS l_{REF}}$
$C_n$	CYN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS b}$
$C_l$	CBL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS b}$

## Stability-Axis System

$C_L$	CL	lift coefficient; $\frac{\text{lift}}{qS}$
$C_D$	CD	drag coefficient; $\frac{\text{drag}}{qS}$
$C_{D_b}$	CDB	base-drag coefficient; $\frac{\text{base drag}}{qS}$
$C_{D_f}$	CDF	forebody drag coefficient; $C_D - C_{D_b}$
$C_Y$	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
$C_m$	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS l_{REF}}$
$C_n$	CLN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS b}$
$C_l$	CSL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS b}$
L/D	L/D	lift-to-drag ratio; $C_L/C_D$

# ADDITIONS TO NOMENCLATURE

<u>SYMBOL</u>	<u>SADSAC SYMBOL</u>	<u>DEFINITION</u>
$C_L^2$	CLSQR	lift coefficient squared.
$\delta_a$	AILRON	aileron, total aileron deflection angle, degrees, (left aileron-right aileron)/2.
$\delta_e$	ELEVON	elevon, surface deflection angle, positive deflection, trailing edge down; degrees.
$\delta_r$	RUDDER	rudder, surface deflection angle, positive deflection, trailing edge to the left; degrees
$\delta_{rf}$	RUDFLR	rudder flare, split rudder deflection angle, left split rudder trailing edge left and right split rudder trailing edge right, $\delta_{rf} = (\delta_{rL} + \delta_{rR})/2$ , positive deflection; degrees.

## CONFIGURATIONS INVESTIGATED

The wind tunnel models were 0.6 percent scale models and included one orbiter configuration, four tank configurations, and seven booster configurations. The orbiter centerline H<sub>2</sub>O propellant tanks included variations in diameter (302 and 325 in.), nose cone angle (10° and 15°), and axial position (120 inch travel). Of the boosters, three were solid rocket motors with the remainder being pressure fed boosters. The pressure fed boosters included variations in diameter (206 and 248 inch), nose cone angle (15° and 20°) and base flare (5° and 15°). The solid rocket motors included variations in diameter (156 and 120 in.) and base flare (0° and 15°) for the 156 in. motor.

In addition, simulated rocket plumes were tested at  $M = 1.5$  and  $2.2$  for both pressure fed and solid rocket motor boosters. These plumes were made up of three solid aluminum bodies each of which represented an envelope of individual engine plumes for the orbiter and each booster. These envelopes were generated by taking the outermost plume boundary of the outermost engine for each component and rotating this boundary about the null thrust vector of the component (orbiter or booster). The individual engine plumes were generated at MSC with the plume boundary defined by a method of characteristics solution with the flow field originating at the exit plane, and the effects of the external flow on the boundary calculated by Newtonian impact theory.

The contours of the various plumes tested are defined in Table 4 and Figure 43 through 46. The matrix of plume testing was as follows:

<u>CONFIGURATION</u>	<u>BOOSTER PLUME</u>	<u>ORBITER PLUME</u>	<u>M<sub>TEST</sub></u>
O <sub>1</sub> T <sub>1</sub> B <sub>1</sub>	LOX/PROP M = 2.5	4 ENG. J2S M = 2.5	2.2
O <sub>1</sub> T <sub>1</sub> B <sub>1</sub>	LOX/PROP M = 1.5	3 ENG. H1Pc M = 1.5	1.5
O <sub>1</sub> T <sub>1</sub> B <sub>1</sub>	LOX/PROP M = 1.5	3 ENG. H1Pc M = 1.5	2.2
O <sub>1</sub> T <sub>3</sub> B <sub>6</sub>	156" SRM M = 1.5	3 ENG. H1Pc M = 1.5	1.5
O <sub>1</sub> T <sub>3</sub> B <sub>6</sub>	156" SRM M = 2.2	3 ENG. H1Pc M = 2.2	2.2
O <sub>1</sub> T <sub>4</sub> B <sub>7</sub> A <sub>1</sub> -4	120" SRM M = 1.5	3 ENG. H1Pc M = 1.5	1.5
O <sub>1</sub> T <sub>4</sub> B <sub>7</sub> A <sub>1</sub> -4	120" SRM M = 2.2	3 ENG. H1Pc M = 2.2	2.2



Symbols for Orbiter Configuration:

<u>Symbol</u>	<u>Description</u>
O1	W1B1E1V2R2P1M1C0
W1	Wing
B1	Body
E1	Elevon
V1	Centerline vertical (Replaces V2R2)
V2	Centerline vertical
V <sub>OFF</sub>	No centerline vertical
C0	Canopy
R1	Rudder for V1
R2	Rudder for V2
P1	ACPS Engine Pod
M1	OMS Engine Pod
C1	Cupola
C2	Canopy Off (Replaces C0)

Symbols for Tanks

<u>Symbol</u>	<u>Description</u>
T ( )	Tank complete
T ( ) <sub>a</sub>	Tank complete at an alternate position with respect to the boosters and orbiter
F1	Fin for T <sub>4</sub>

Symbols for Boosters:

<u>Symbol</u>	<u>Description</u>
B ( )	Boosters complete
S	Skirt for booster
F <sub>4</sub>	Fins for B <sub>4</sub>
A	Thrust vectoring fuel tank for B <sub>7</sub>

Symbols for Plumes:

<u>Symbol</u>	<u>Description</u>
+ Plume (2.5)	3 Plumes (Orbiter + 2 Boosters) at M = 2.5
+ Plume (1.5)	3 Plumes (Orbiter + 2 Boosters) at M = 1.5
+ Plume (2.2)	3 Plumes (Orbiter + 2 Boosters) at M = 2.2

## TEST FACILITY

The MDAL 4' Trisonic Wind Tunnel facility is a blowdown type operation capable of Mach numbers of 0.2 to 5.0 and Reynolds numbers from approximately  $1 \times 10^6$  to  $2 \times 10^6$  per inch. The subsonic and transonic Mach numbers are run in a porous wall test section which is removed for supersonic testing. The supersonic test section utilizes a two dimensional flexible plate nozzle to obtain Mach numbers 1.5 to 5.0. The models are mounted on a sting that is supported from a vertical translating strut with a vertical plane rotating pod having a pitch range of  $-15^\circ$  to  $+25^\circ$  when no offset adapters are present.

## MODELS AND SUPPORT EQUIPMENT

The test models with all of their interchangeable component parts were 0.60 percent of full scale.

The orbiter model had a blended body contoured into a low delta wing. Effects of orbiter position and booster relative to the tank was investigated at two longitudinal locations on the tank (nominal and aft). The orbiter and boosters can be bolted to the tank (T1) in both nominal and aft positions as well as independently mounted from the tank. For the bolted orbiter case, the orbiter balance was inoperative and there were no force or moment data for the orbiter.

Effects of the orbiter control surfaces and control surface deflections were investigated for elevons, ailerons, and rudder with the surfaces deflected and undeflected.

Transition strips of No. 120 carborundum grit were used to insure boundary layer transition from laminar to turbulent flow. These strips were  $3/32$  inches wide and were located  $3/4$  inches aft of the orbiter nose,  $1/2$  inch aft of the booster nose,  $1/2$  inch aft of the tank nose, and at 5 percent local chord (both surfaces) on the wings, vertical tails and fins.

To achieve the required test angles of attack and sideslip two straight balance adapters were used in combination with the MDAL 6 degree sting adapter. A straight sting section positioned the model properly in the test section.

Pressure data for the orbiter, tank or the booster were obtained from base and balance cavity pressure pickups that were cantilevered off the sting. Leads for these pickups were routed externally over the model support system and into the tunnel strut. The boosters in the presence of the tank each had a base pressure pickup.

## DATA REDUCTION

The data are corrected for such factors as model tares, sting bending and balance deflections, interactions, and bilinearities.

### Composite Configurations

1. The orbiter data were reduced about the orbiter MRP using its reference dimensions and about the tank MRP, using orbiter reference dimensions ( $\bar{c}$  for longitudinal and  $b$  for lateral).
2. The tank data were reduced about the tank MRP using orbiter reference dimensions ( $\bar{c}$  for longitudinal and  $b$  for lateral).
3. A summation of the orbiter (tank MRP) and tank (tank MRP) data with all data corrected for angular attitudes to the tank body axes.

### Orbiter Alone Configurations

1. The orbiter data were reduced about the orbiter MRP using the orbiter reference dimensions ( $\bar{c}$  for longitudinal and  $b$  for lateral).

### Tank Alone Configurations

1. The tank data were reduced about the tank MRP using the orbiter reference dimensions.

### Booster Alone Configurations

1. The booster data were reduced about the booster MRP using the orbiter reference dimensions.

Ascent configuration composite tank MRP data, orbiter alone data, tank alone data and booster alone data are presented in this report, with the remaining data on file and available upon request.

Reference quantities used in these data reductions are as follows:

#### ORBITER

<u>Quantity</u>	<u>Full Scale Dimensions (Reference only)</u>	<u>Model Dimensions</u>
Reference Area (S)	3155.3 Ft <sup>2</sup>	16.37 In <sup>2</sup>
Reference Span (b)	882 In.	5.292 In
Reference MAC ( $\bar{c}$ )	609.5 In.	3.657 In
Moment Reference Points		See Figures 13 & 14

# DATA REDUCTION (CONTINUED)

## Areas:

Total Base ( $A_B$ )	298 Ft <sup>2</sup>	1.546 In <sup>2</sup>
----------------------	---------------------	-----------------------

## TANK

<u>Quantity</u>	<u>Full Scale Dimensions</u> <u>(Reference only)</u>	<u>Model Dimensions</u>
Reference Area (S)	3155.3 Ft <sup>2</sup>	16.37 in <sup>2</sup>
Reference Length (b)	882 In.	5.292 in.
Reference Length ( $\bar{c}$ )	609.5 In.	3.657 in.
Moment Reference Points		See Figures 13 & 15

## Areas:

Total Base ( $A_B$ )/Tank	T1 - 422 Ft <sup>2</sup>	2.125 In <sup>2</sup>
	T2 - 422 Ft <sup>2</sup>	2.125 In <sup>2</sup>
	T3 - 518 Ft <sup>2</sup>	2.613 In <sup>2</sup>
	T4 - 537 Ft <sup>2</sup>	2.785 In <sup>2</sup>

## BOOSTER

<u>Quantity</u>	<u>Full Scale Dimensions</u> <u>(Reference only)</u>	<u>Model Dimensions</u>
Reference Area (S)	3155.3 ft <sup>2</sup>	16.37 in <sup>2</sup>
Reference Length (b)	882 in.	5.292 in.
Reference Length ( $\bar{c}$ )	609.5 in.	3.657 in.
Moment Reference Points		See Figures 13 & 16 through 19

# DATA REDUCTION (CONTINUED)

## Areas:

Total Base ( $A_B$ )/Booster	B1	-	901.0 $\text{Ft}^2$	4.539 $\text{In}^2$
	B1S1	-	2125 $\text{Ft}^2$	11.0093 $\text{In}^2$
	B1S2	-	4785 $\text{Ft}^2$	24.7887 $\text{In}^2$
	B2	-	137.8 $\text{Ft}^2$	0.694 $\text{In}^2$
	B2S	-	428 $\text{Ft}^2$	2.158 $\text{In}^2$
	B3	-	902 $\text{Ft}^2$	4.545 $\text{In}^2$
	B4	-	568 $\text{Ft}^2$	2.865 $\text{In}^2$
	B5	-	557 $\text{Ft}^2$	2.883 $\text{In}^2$
	B6	-	95.4 $\text{Ft}^2$	0.481 $\text{In}^2$
	B7	-	79.3 $\text{Ft}^2$	0.408 $\text{In}^2$

TABLE 1.

**TEST CONDITIONS**  
**TEST** S-222

MACH NUMBER	REYNOLDS NUMBER per (inch)	DYNAMIC PRESSURE (pounds/sq. inch)	STAGNATION TEMPERATURE (degrees Fahrenheit)
0.4	$0.50 \times 10^6$	3.3	53
0.6	$0.83 \times 10^6$	7.6	47
0.7	$0.74 \times 10^6$	7.8	68
0.9	$0.79 \times 10^6$	10.0	50
0.95	$0.67 \times 10^6$	8.8	53
1.05	$0.69 \times 10^6$	9.5	50
1.1	$0.69 \times 10^6$	9.8	52
1.5	$0.63 \times 10^6$	10.0	55
2.2	$0.63 \times 10^6$	9.9	68
2.25	$0.94 \times 10^6$	14.0	52
2.5	$0.66 \times 10^6$	10.3	91
4.5	$1.15 \times 10^6$	10.6	120

BALANCE UTILIZED: See Listing on next page.

CAPACITY:

ACCURACY:

COEFFICIENT  
TOLERANCE:

NF \_\_\_\_\_  
 SF \_\_\_\_\_  
 AF \_\_\_\_\_  
 PM \_\_\_\_\_  
 YM \_\_\_\_\_  
 RM \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_  
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 \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

COMMENTS:

TABLE 1.

## TEST CONDITIONS (CONTINUED)

BALANCES UTILIZED

Several balances were required during the test. Listed below are the balances used, their capacity and the corresponding tunnel runs which apply to each.

<u>BALANCES</u>					
	<u>Orbiter</u>			<u>Tank Balance</u>	
	3/4" D.			1" D.	
Runs 1-10	#7 DAL			#13 NAR	
Runs 11-113	-			#13 NAR	
Runs 114-184	#5 DAL			-	
Runs 185-197	-			#13 NAR	
Runs 198-270	#58 DAL			#13 NAR	
Runs 271-420	#58 DAL			#11 DAL	
Runs 421-424	-			#11 DAL	
Runs 425-459	-			#11 DAL	
Runs 460-474	-			#11 DAL	
Runs 475-569	#58 DAL			#11 DAL	
Runs 570-646	-			#11 DAL	

Balance	MK. 31A	MK. 2A	MK. 10	MK. 7	MK. 3C
	3/4" D. #7 DAL	3/4" D. #5 DAL	3/4" D. #58 DAL	1" D. #13 NAR	1" D. #11 DAL
<u>Gage</u>	<u>Capacity</u>				
NF (each) 2 gages	100 lb.	100 lb.	100 lb.	500 lb.	250 lb.
SF (each) 2 gages	100 lb.	50 lb.	100 lb.	300 lb.	250 lb.
AF	80 lb.	25 lb.	50 lb.	500 lb.	150 lb.
RM	20 in.lb.	60 in.lb.	40 in.lb.	150 in.lb.	150 in.lb.

# TABLE 2. TEST S-222 ORBITER @ ORBITER MRC

## DATA SET COLLATION SHEET

( $\phi$ ) ORBITER ISOLATED ON SEPARATE BALANCE.  
(BAX) BOOSTER ISOLATED WITHOUT A BALANCE. ☐ PRETEST ☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION				NO. OF RUNS	MACH NUMBERS									
		A	B	SA	SE	SR			0.4	0.6	0.9	0.95	1.05	1.1	1.5	2.2	2.25	4.5
RD7101	( $\phi$ ) T1 B1	A	0	0	0	0		3		396	395			394				
102		0	D	0	0	0		3		396	395			394				
103		A	0	0	0	0		2							206	224		
104		A	0	20	0	0		6		373	371			370	254	253		266
105	( $\phi$ ) T1 B1L (B1R)	A	0	0	0	0		4			374			375		258		267
106		0	D	0	0	0		2			374			375				
107		A	0	0	0	0		2								215		245
108	( $\phi$ ) T1 (B1L) B1R	A	0	0	0	0		2								221		244
109	( $\phi$ ) T1 B2	A	0	0	0	0		2							205	255		
110	( $\phi$ ) T1 B2L (B2R)	A	0	0	0	0		4			387			388		259		268
111		0	D	0	0	0		2			387			388				
112		A	0	0	0	0		2								227		242
113	( $\phi$ ) T1 (B2L) B2R	A	0	0	0	0		2								226		243
114	( $\phi$ ) T1 B3	A	0	0	0	0		6			391	390		389	255	256		264
115		0	D	0	0	0		3			391	390		389				
116		A	0	0	0	0		3							202	228		239
117	( $\phi$ ) T1 B3L (B3R)	A	0	0	0	0		4			392			393		257		265
118		0	D	0	0	0		2			392			393				
119		A	0	0	0	0		2								230		241
120	( $\phi$ ) T1 (B3L) B3R	A	0	0	0	0		2								229		240

COEFFICIENTS:

a or b SCHEDULES

A =  $-10^\circ$   $\rightarrow 10^\circ$   
B =  $10^\circ$   $\rightarrow -10^\circ$   
C =  $-10^\circ$   $\rightarrow 20^\circ$   
D =  $6^\circ$   $\rightarrow -6^\circ$

MACH 1 IDPVAR(1) IDPVAR(2) NDV

BX - BOTH LEFT & RIGHT BOOSTERS  
BXL - LEFT BOOSTER  
BXR - RIGHT BOOSTER



TABLE 2. TEST S-222 DATA SET COLLATION SHEET (CONTINUED)

☐ PRETEST  
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION			NO. OF RUNS	MACH NUMBERS									
		$\alpha$	$\beta$	$\delta A$	$\delta E$	$\delta R$		0.4	0.6	0.9	0.95	1.05	1.1	1.5	2.2	2.25	4.5
R07121	( $\phi$ 1) T1 B4	A	0	0	0	0	6		378	377			376	269	273		276
122		A	0	0	0	0	1							272			
123		0	D	0	0	0	3		378	377			376				
124		A	6	0	0	0	3										
125	( $\phi$ 1) T1 B4L (B4R)	A	0	0	0	0	4						379	201	231		238
126		A	6	0	0	0	2								233		236
127		0	D	0	0	0	2		380				379				
128	( $\phi$ 1) T1 (B4L) B4R	A	6	0	0	0	2								232		237
129	( $\phi$ 1) T1 B5	A	6	0	0	0	2							249			248
130		A	6	0	0	0	1							208			
131	( $\phi$ 1) T1 B5L (B5R)	A	6	0	0	0	1										246
132	( $\phi$ 1) T1 (B5L) B5R	A	6	0	0	0	1										247
133	( $\phi$ 1 V1) T1 B5	A	0	0	0	0	6		384	382			383	250	252		251
134		0	D	0	0	0	3		384	382			383				
135		A	6	0	0	0	1								218		
136		6	A	0	0	0	1								220		
137	( $\phi$ 1 V1) T1 B5L (B5R)	A	0	0	0	0	4						386	385			262
138		0	D	0	0	0	2			386			385				
139		A	6	0	0	0	1								216		
140	( $\phi$ 1 V1) T1 (B5L) B5R	A	6	0	0	0	1								217		

COEFFICIENTS:  $\geq$  IDPVAR(1) | IDPVAR(2) | NDV

3 OF 3  
SCHEDULES

TABLE 2. TEST S-222 DATA SET COLLATION SHEET (CONTINUED)

☐ PRETEST  
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHID.		CONTROL DEFLECTION			NO. OF RUNS	MACH NUMBERS									
		a	b	SA	SE	SR		0.4	0.6	0.9	0.95	1.05	1.1	1.5	2.2	2.25	4.5
RD7141	( $\phi$ , V1) T1	A	0	0	0	0	3		399	398			397				
142		0	D	0	0	0	3		399	398			397				
143		A	0	20	0	0	3		401	402			400				
144		0	D	20	0	0	3		401	402			400				
145		A	0	0	0	10	3		405	404			403				
146		0	D	0	0	10	3		405	404			403				
147	( $\phi$ , 1) T1	A	0	0	0	0	8	360	361	362	363	364	365		260		263
148		0	D	0	0	0	6	360	361	362	363	364	365				
149		A	6	0	0	0	2								234		235
150	( $\phi$ , 1) T2 B1	A	0	0	0	0	3		415	416			417				
151		0	D	0	0	0	3		415	416			417				
152		A	6	0	0	0	2							207	223		
153	( $\phi$ , 1) T2 B1L (B1R)	A	6	0	0	0	1								214		
154	( $\phi$ , 1) T2 B2	A	6	0	0	0	1							204			
155	( $\phi$ , 1) T2 B3	A	6	0	0	0	1							203			
156	( $\phi$ , 1) T2 B4	A	0	0	0	0	3		420	419			418				
157		0	D	0	0	0	3		420	419			418				
158		A	6	0	0	0	1							200			
159	( $\phi$ , 1) T2 (B1L) B1R	A	6	0	0	0	1							222			
160	( $\phi$ , V1) T2 B5	A	0	0	0	0	3		408	407			406				

COEFFICIENTS:  $\alpha$  or  $\beta$  IDPVAR(1) IDPVAR(2) NDV

SCHEDULES

TABLE 2. TEST S-222 DATA SET COLLATION SHEET (CONTINUED)

☐ PRETEST  
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION				NO. of RUNS	MACH NUMBERS									
		a	b	5A	5E	5R			0.4	0.6	0.9	0.95	1.05	1.1	1.5	2.2	2.25	4.5
R07161	( $\phi$ 1V1) T2 B5	0	D	0	0	0		3		408	407			406				
162	( $\phi$ 1V1) T2A B5	A	0	0	0	0		3		409	410			411				
163	$\downarrow$	0	D	0	0	0		3		409	410			411				
164	( $\phi$ 1) T2A B1	0	A	0	0	0		1								211		
165	$\downarrow$	A	D	0	0	0		3		414	413			412				
166	$\downarrow$	0	D	0	0	0		3		414	413			412				
167	$\downarrow$	A	6	0	0	0		2							209	210		
168	( $\phi$ 1) T2A B1L (B1R)	A	6	0	0	0		1								213		
169	( $\phi$ 1) T2A (B1L) B1R	A	6	0	0	0		1								212		
170	( $\phi$ 1) T2	A	0	0	0	0		2			367			366				
171	$\downarrow$	0	D	0	0	0		2			367			366				
172	( $\phi$ 1) T2A	A	0	0	0	0		2			368			369				
173	$\downarrow$	0	D	0	0	0		2			368			369				
174	( $\phi$ 1) T3 B1	A	0	0	0	0		6		333	329			331	277	278	279	
175	$\downarrow$	0	A	0	0	0		3		334	330			332				
176	$\downarrow$	A	6	0	0	0		3						309	305		310	
177	( $\phi$ 1) T3 B1L (B1R)	A	0	0	0	0		4			335			336		281	280	
178	$\downarrow$	0	D	0	0	0		2			335			336				
179	$\downarrow$	A	6	0	0	0		2								312	311	
180	( $\phi$ 1) T3 (B1L) B1R	A	6	0	0	0		4		328				327		313	314	

COEFFICIENTS:  $\alpha$  or  $\beta$  IDPVAR(1) IDPVAR(2) NDV

SCHEDULES

TABLE 2. TEST S-222 DATA SET COLLATION SHEET (CONTINUED)

☐ PRETEST  
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCID.		CONTROL DEFLECTION				NO. OF RUNS	MACH NUMBERS										
		A	B	δA	δE	δR			0.4	0.6	0.9	0.95	1.05	1.1	1.5	2.2	2.25	4.5	
181	(φ1) T3 (B1L) B1R	A	6	0	0	0	0	1								326			
182	(φ1) T3 B2	A	0	0	0	0	0	5		350	351					296		297	
183	↓	0	D	0	0	0	0	3		350	351								
184	(φ1) T3 B2L (B2R)	A	0	0	0	0	0	4		354	354					299		298	
185	↓	0	D	0	0	0	0	2		354									
186	↓	A	6	0	0	0	0	2								300		301	
187	(φ1) T3 (B2L) B2R	A	6	0	0	0	0	2								303		302	
188	(φ1) T3 B3	A	0	0	0	0	0	6		356	355					286		288	
189	↓	0	D	0	0	0	0	3		356	355								
190	↓	A	6	0	0	0	0	2							317	318			
191	(φ1) T3 B3L (B3R)	A	0	0	0	0	0	4		359						285		284	
192	↓	0	D	0	0	0	0	2		359									
193	↓	A	6	0	0	0	0	1								319			
194	(φ1) T3 (B3L) B3R	A	6	0	0	0	0	1								320			
195	(φ1) T3 B4	A	0	0	0	0	0	1											
196	↓	0	A	0	0	0	0	1											
197	↓	A	0	20	0	0	0	1											
198	↓	A	0	0	0	0	10	2							4	8			
199	(φ1) T3 B4L (B4R)	A	0	0	0	0	0	4		338						282		283	
1A1	↓	0	D	0	0	0	0	2		338									

COEFFICIENTS:

IDPVAR(1) IDPVAR(2) IDV

α or β  
 SCHEDULES

TABLE 2. TEST S-222 DATA SET COLLATION SHEET (CONTINUED)

☐ PRETEST  
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION				NO. of RUNS	MACH NUMBERS									
		A	B	SA	SE	SR			0.4	0.6	0.9	0.95	1.05	1.1	1.5	2.2	2.25	4.5
R071A2	( $\phi$ 1) T3 B4L (B4R)	A	G	0	0	0		2								307		306
1A3	( $\phi$ 1) T3 (B4L) B4R	A	G	0	0	0		2								304		305
1A4	( $\phi$ 1) T3 B4 F4	A	0	0	0	0		2							6	7		293
1A5	( $\phi$ 1 V1) T3 B5	A	0	0	0	0		6		341	334			340	292	291		
1A6		0	D	0	0	0		3		341	339			340				
1A7		A	G	0	0	0		2							322	321		
1A8	( $\phi$ 1 V1) T3 B5L (B5R)	A	0	0	0	0		4			342			343		295		294
1A9		0	D	0	0	0		2			342			343				
1B1		A	G	0	0	0		1								324		
1B2	( $\phi$ 1 V1) T3 (B5L) B5R	A	G	0	0	0		1								325		
1B3	( $\phi$ 1) T3	A	0	0	0	0		8	349	348	347	346	345	344		290		289
1B4		0	D	0	0	0		6	349	348	347	346	345	344				
1B5		A	G	0	0	0		2								316		315
1B6	( $\phi$ 1 V1) T1 B5	0	D	0	0	0		3							558	563		566
1B7	( $\phi$ 1 V1) T1	A	0	20	0	0		3							557	562		567
1B8		0	D	20	0	0		3							557	562		567
1B9	( $\phi$ 1 V1) T2 B5	A	0	0	0	0		3							559	564		565
1C1	( $\phi$ 1) T1 B6	A	0	0	0	0		2		496					556			
1C2		0	D	0	0	0		2		496					556			
1C3		A	0	20	0	0		6		495	494			493	555	554		569

COEFFICIENTS: \_\_\_\_\_  
 a or b \_\_\_\_\_  
 SCHEDULES \_\_\_\_\_  
 IDPVAR(1) IDPVAR(2) INDV \_\_\_\_\_

TABLE 2. TEST S-222 DATA SET COLLATION SHEET (CONTINUED)

☐ PRETEST  
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION				NO. of RUNS	MACH NUMBERS											
		A	B	SA	SE	SR			0.4	0.6	0.90	0.95	1.05	1.1	1.5	2.2	2.25	4.5		
RD71C4	( $\phi$ 1) T1 B6	0	D	20	0	0		6		495	494			493	555	554		569		
1C5																				
1C6	( $\phi$ 1V1) T1 B5	A	C	0	0	0		3							558	563		566		
1C7	( $\phi$ 1) T4 B7A1-4	A	0	0	0	0		6		477	476			475	544	542		539		
1C8		0	D	0	0	0		6		477	476			475	544	542		539		
1C9		A	C	0	0	0		6		506	507			504	517	520		527		
1D1		A	0	20	0	0		6		478	479			480	550	543		538		
1D2		0	D	20	0	0		6		478	479			480	550	543		538		
1D3		A	C	20	0	0		6		511	508			509	516	521		526		
1D4		A	0	0	0	10		6		483	482			481	551	544		537		
1D5		0	D	0	0	10		6		483	482			481	551	544		537		
1D6	$\nabla$	A	C	0	0	10		6		512	513			514	515	522		525		
1D7	( $\phi$ 1) T4 B7-4	A	0	0	0	0		3		489	488			487						
1D8	$\nabla$	0	D	0	0	0		3		489	488			487						
1D9	( $\phi$ 1) T4	A	0	0	0	0		6		490	491			492	548	547		536		
1E1		0	D	0	0	0		6		490	491			492	548	547		536		
1E2		E	0	0	0	0		1										534		
1E3	$\nabla$	E	0	0	0	0		1										531		
1E4	( $\phi$ 1) T4 B7A1-5	A	0	0	0	0		6		484	485			486	552	545		540		
1E5	$\nabla$	0	D	0	0	0		6		484	485			486	552	545		540		

COEFFICIENTS:  $F = -10^\circ \rightarrow 30^\circ$  IDPVAR(1) IDPVAR(2) INDV

a or b  
SCHEDULES

☐ PRETEST  
☒ POSTTEST

COEFFICIENT  
α or β  
SCHEDULES

TABLE 2. TEST S-222 DATA SET COLLATION SHEET (CONTINUED)

TANK & BOOSTERS @ TANK MRC

☐ PRETEST  
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHUD.		CONTROL DEFLECTION				NO. of RUNS	MACH NUMBERS									
		a	R															
RD7201	NOTE: SAME AS																	
202	DATA SETS																	
203	RD71XX																	
204																		
205																		
206																		
207																		
208																		
209																		
210																		
211																		
212																		
213																		
214																		
215																		
216																		
217																		
218																		
219																		
220																		

COEFFICIENTS:

a or b

SCHEDULES

IDPVAR(1) IDPVAR(2) INDV

MACH ALPHA BETA 7576



TABLE 2. TEST S-222 DATA SET COLLATION SHEET (CONTINUED)

ORBITER @ TANK MRC

☐ PRETEST

☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHUB.		CONTROL DEFLECTION				NO. of RUNS	MACH NUMBERS									
		$\alpha$	$\beta$															
RD7301	NOTE: SAME AS																	
302	DATA SETS																	
303	RD71XX																	
304																		
305																		
306																		
307																		
308																		
309																		
310																		
311																		
312																		
313																		
314																		
315																		
316																		
317																		
318																		
319																		
320																		

1 7 13 19 25 31 37 43 49 55 61 67 7576  
 CN CY CA CAF CBL CLM CYN MACH ALPHA BETA 7  
 COEFFICIENTS: IDPVAR(1) IDPVAR(2) IDV

a or b  
 SCHEDULES

☐ PRETEST  
☒ POSTTEST

[illegible]

**COEFFICIENTS:**

२०५

## SCHEDULES

COMPOSITE @ TANK MRI:

☐ PRETEST  
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION				NO. OF RUNS	MACH NUMBERS												
		α	R	δA	δE	δR															
RP75C1	φ171B1	A	0	0	0	0		7	0.4	0.6	0.9	0.95	1.05	1.1	1.5	2.2	2.25	4.5			
502		A	6	0	0	0		6		77	78			79	16	11	421	21			
503		A	6	0	0	0		1		95	94			93	25	26	421	33			
504		0	8	0	0	0		4		77	78				16	11					
505		0	D	0	0	0		1									421				
506		0	A	0	0	0		1						80							
507	φ171B1+Rune(2.5)	A	0	0	0	0		2								185	422				
508		A	6	0	0	0		1								196					
509		A	0	20	0	0		2								186	423				
510		A	0	0	0	10		2								187	424				
511		0	D	0	0	0		1									422				
512		0	D	20	0	0		1									423				
513		0	D	0	0	10		1									424				
514	φ171B2	A	0	0	0	0		6		84	85			86	15	12		23			
515		A	6	0	0	0		6		87	88			89	24	27		32			
516	φ171B2S	A	0	0	0	0		5		83	82			81	14	13					
517		A	6	0	0	0		6		92	91			90	28	29		31			
518	φ173B2	A	0	0	0	0		1													
519		A	6	0	0	0		3										38			
520	φ173B4	A	0	0	0	0		6		71	72			73	51	56		59			

COEFFICIENTS:

1

7

13

19

25

31

37

43

49

55

61

67

73

79

CN

CY

CA

CAF

CBL

CLM

EYN

MACH

ALPHA

BETA

7

75

79

α or β

SCHEDULES

IDPVAR(1)

IDPVAR(2)

IDV

\*830-528

TABLE 2. TEST S-222 DATA SET COLLATION SHEET (CONTINUED)

☐ PRETEST  
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION				NO. OF RUNS	MACH NUMBERS											
		A	B	SA	SE	SR			0.4	0.6	0.9	0.95	1.05	1.1	1.5	2.2	2.25	4.5		
R07521	$\phi 173B4$	0	A	0	0	0		6		71	72			73	51	56		60		
522		A	C	0	0	0		6		99	106			101	46	42		35		
523		C	B	0	0	0		6		104	103			102	45	43		36		
524		A	0	20	0	0		6		69	67			68	53	54		61		
525	$\vee$	A	0	0	0	10		6		70	64			63	52	55		62		
526	$\phi 173B4F4$	A	0	0	0	0		6		76	75			74	50	57		58		
527	$\vee$	A	C	0	0	0		6		98	97			96	47	40		37		
528	$\phi 171B1$	A	0	0	0	0		2							425	431				
529		0	D	0	0	0		2							425	431				
530		A	0	20	0	0		2							426	432				
531		0	D	20	0	0		2							426	432				
532		A	0	10	0	0		1							427					
533		0	D	10	0	0		1							427					
534		A	0	-10	0	0		1							428					
535		0	D	-10	0	0		1							428					
536		A	0	0	0	10		2							429	430				
537	$\vee$	0	D	0	0	10		2							429	430				
538	$\phi 171B1 + PLOME(15)$	A	0	0	0	0		2							434	437				
539		0	D	0	0	0		2							434	437				
540	$\vee$	A	0	20	0	0		2							433	438				

COEFFICIENTS:

a or b

SCHEDULES

IDPVAR(1) IDPVAR(2) NDV

TABLE 2. TEST S-222 DATA SET COLLATION SHEET (CONTINUED)

☐ PRETEST  
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION			NO. of RUNS	MACH NUMBERS									
		a	b	SA	SE	SR		0.4	0.6	0.9	0.25	1.05	1.1	1.5	2.2	2.25	4.5
RD7541	φ171B1+P <sub>LINE</sub> (1.5)	0	D	20	0	0	2							433	438		
542		A	0	0	0	10	2							435	436		
543	↓	0	D	0	0	10	2							435	436		
544	T3B2	A	0	—	—	—	2							442	439		
545	↓	0	D	—	—	—	2							442	439		
546	T3B5	A	0	—	—	—	2							441	440		
547	↓	0	D	—	—	—	2							441	440		
548	φ173B6	A	0	0	0	0	2							443	448		
549		0	D	0	0	0	2							443	448		
550		A	0	20	0	0	2							444	447		
551		0	D	20	0	0	2							444	447		
552		A	0	0	0	10	2							445	449		
553		0	D	0	0	10	2							445	449		
554		A	0	0	0	10	1							446	446		
555	↓	0	D	0	0	10	1							446	446		
556	φ173B6+P <sub>LINE</sub> (1.5)	A	0	0	0	0	1							455			
557		0	D	0	0	0	1							455			
558		A	0	20	0	0	1							454			
559		0	D	20	0	0	1							454			
560	↓	A	0	0	0	10	1							453			

COEFFICIENTS:

a or b

SCHEDULES

IDPVAR(1) IDPVAR(2) INDV

TABLE 2. TEST S-222 DATA SET COLLATION SHEET (CONTINUED)

☐ PRETEST  
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHID.		CONTROL DEFLECTION				NO. OF RUNS	MACH NUMBERS									
		a	R	SA	SE	SR			0.4	0.6	0.90	0.95	1.05	1.1	1.5	2.2	2.25	4.5
RD7561	$\phi 17386 + P_{LUNE}(1.5)$	0	D	0	0	10		1							453			
562	$\phi 17386 + P_{LUNE}(2.2)$	A	0	0	0	0		1								450		
563		0	D	0	0	0		1								450		
564		A	0	20	0	0		1								451		
565		0	D	20	0	0		1								451		
566		A	0	0	0	10		1								452		
567		0	D	0	0	10		1								452		
568	T185	A	0	-	-	-		2							452	452		
569		0	D	-	-	-		2							457	457		
570	T186	A	0	-	-	-		6		471	470				469	456	459	605
571		0	D	-	-	-		6		471	470				469	456	459	605
572	$\phi 1748741-4$	A	0	0	0	0		4			460				461	598	572	
573		0	D	0	0	0		4			460				461	598	572	
574	$\phi 1748741-4 + P_{LUNE}(1.5)$	A	0	0	0	0		1							586			
575		0	D	0	0	0		1							586			
576		A	0	20	0	0		1							588			
577		0	D	20	0	0		1							588			
578		A	0	0	0	10		1							587			
579		0	D	0	0	10		1							587			
580	$\phi 1748741-4 + P_{LUNE}(2.2)$	A	0	0	0	0		1							577			

COEFFICIENTS:  $\alpha$  or  $\beta$  IDPVAR(1) IDPVAR(2) NDV

SCHEDULES

TABLE 2. TEST S-222 DATA SET COLLATION SHEET (CONTINUED)

☐ PRETEST  
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION					NO. of RUNS	MACH NUMBERS									
		a	b	SA	SE	SR	SRF			0.7	0.6	0.4	0.95	1.05	1.1	1.5	2.2	2.25	4.5
R27581	φ174B7A1-4+Rune(2.2)	0	D	0	0	0	0	0	1										
582		A	0	20	0	0	0	0	1										
583		0	D	20	0	0	0	0	1										
584		A	0	0	0	0	0	0	1										
585		0	D	0	0	0	0	0	1										
586	φ174F1B7A1-4	A	0	0	0	0	0	0	2										
587		0	D	0	0	0	0	0	2										
588	74B7A1-4	A	0	-	-	-	-	-	6		474	463							
589		0	D	-	-	-	-	-	6		474	463							
590	74F1B7A1-4	A	0	-	-	-	-	-	4		645	644							
591		0	D	-	-	-	-	-	4		645	644							
592	φ17174B7A1-4	A	0	0	0	0	0	0	2										
593		0	D	0	0	0	0	0	2										
594		A	0	0	0	0	0	0	2										
595		0	D	0	0	0	0	0	2										
596		A	0	0	0	0	0	0	2										
597		0	D	0	0	0	0	0	2										
598		A	0	0	0	0	0	0	2										
599		0	D	0	0	0	0	0	2										
5A1	φ17174B7A1-4+Rune(1.5)	A	0	0	0	0	0	0	1										

COEFFICIENTS:

a or b

SCHEDULES

IDPVAR(1) | IDPVAR(2) | NDV

TABLE 2. TEST S-222 DATA SET COLLATION SHEET (CONTINUED)

☐ PRETEST  
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION					NO. of RUNS	MACH NUMBERS									
		$\alpha$	$\beta$	SA	SE	SR	SRE	SRE		0.4	0.6	0.9	0.95	1.05	1.1	1.5	2.2	2.25	4.5
R07542	$\phi$ VIT4B7A1-4+Pume(1.5)	0	D	0	0	0	0	0	1							582			
5A3		A	0	0	0	0	10	0	1							583			
5A4		0	D	0	0	0	10	0	1							583			
5A5		A	0	0	0	0	0	20	1							585			
5A6		0	D	0	0	0	0	20	1							585			
5A7		A	0	0	0	0	10	20	1							584			
5A8		0	D	0	0	0	10	20	1							584			
5B1	$\phi$ VIT4B7A1-4+Pume(2.2)	A	0	0	0	0	0	0	1							581			
5B2		0	D	0	0	0	0	0	1							581			
5B3		A	0	0	0	0	10	0	1							580			
5B4		0	D	0	0	0	10	0	1							580			
5B5		A	0	0	0	0	0	20	1							578			
5B6		0	D	0	0	0	0	20	1							578			
5B7		A	0	0	0	0	10	20	1							579			
5B8		0	D	0	0	0	10	20	1							579			

COEFFICIENTS:  
 $\alpha$  or  $\beta$   
 SCHEDULES

IDPVAR(1) IDPVAR(2) INDV



TABLE 2. TEST S-232 DATA SET COLLATION SHEET (CONTINUED)

☐ PRETEST  
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION				NO. of RUNS	MACH NUMBERS											
		A	B	SA	SE	SR			0.4	0.6	0.9	0.95	1.05	1.1	1.5	2.2	2.25	4.5		
RD7601	T1	A	0	-	-	-		4						105		107		190		193
602	T2	A	0	-	-	-		4						104		108		191		192
603	T3	A	0	-	-	-		4						110		111		189		194
604	T4	A	0	-	-	-		6		466	467			468	601	574		603		
RD7701	φ1	C	0	0	0	0		6		126	127			128	181	180		182		
702	↓	C	6	0	0	0		6		155	154			153	156	157		165		
703	↓	C	0	0	0	10		4		131	130			129		179				
704	φ1V1	C	0	0	0	0		3			139			140		175				
705	↓	C	6	0	0	0		3			146			145		160				
706	↓	C	0	0	0	10		1								178				
707	φ1V4FF	C	0	0	0	-		3			142			141		174				
708	↓	C	6	0	0	-		3			143			144		161				
709	φ1C1	C	0	0	0	0		5		132	133			134		177		183		
710	↓	C	6	0	0	0		5		152	151			150		158		163		
711	φ1C2	C	0	0	0	0		5		137	136			135		176		184		
712	↓	C	6	0	0	0		5		149	147			148		159		164		

1	7	13	19	25	31	37	43	49	55	61	67	7576
CN	CY	CA	CAF	CBL	CLM	CYN					MACH	ALPHA
											BETA	7

COEFFICIENTS: IDPVAR(1) IDPVAR(2) INDV

a or b  
SCHEDULES

TABLE 2. TEST S-222 DATA SET COLLATION SHEET (CONTINUED)BOOSTER @ BOOSTER MRC PITCH PLANE☐ PRETEST  
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION	NO. OF RUNS	MACH NUMBERS									
		A	B			0.4	0.6	0.7	0.9	0.95	1.1	1.5	2.2	2.5	4.5
RD7801	B1	A	D	-	4				117		116		170		169
802	B2	A	C	-	4				120		121		172		166
803	B2S	A	C	-	4				123		122		173		167
804	B3	A	C	-	4				119		118		171		168
805	B4	A	D	-	4				113		112		188		195
806	B1S1	E	D	-	6			637		638	639	612		622	606
807	B1S2	E	D	-	6			642		641	640	613		623	607
808	B1D2	E	D	75	6			626		627	628	609		620	608
809	B1D2	F	D	75	2									624	625
810	B1D2	E	D	45	3					630	629			621	
811	B1D6	E	D	75	6			633		632	631	610		618	617
812	B1D7	E	D	75	6			634		635	636	611		619	616

COEFFICIENTS:

a or b

SCHEDULES

 $F = 30^\circ \rightarrow 61^\circ$ MACH ALPHA 7  
IDPVAR(1) IDPVAR(2) IDV

☐ PRETEST  
☒ POSTTEST

34

TABLE 2. TEST S-222 DATA SET COLLATION SHEET (CONCLUDED)

RD79XX BOOSTER @ BOOSTER MRC YAW PLANE  
 RD79AX BOOSTER @ TANK T1 MRC YAW PLANE  
 RD79BX BOOSTER @ TANK T3 MRC YAW PLANE

☐ PRETEST  
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHID.		CONTROL DEFLECTION		NO. OF RUNS	MACH NUMBERS									
		$\alpha$	$\beta$	$\delta D$			0.9	1.1	2.2	4.5						
RD7901	B1	0	A	—		4	117	116	170	169						
902	B2	0	A	—		4	120	121	172	166						
903	B2S	0	A	—		4	123	122	173	167						
904	B3	0	A	—		4	119	118	171	168						
905	B4	0	A	—		4	113	112	188	195						
9A1	B1	0	A	—		4	117	116	170	169						
9A2	B2	0	A	—		4	120	121	172	166						
9A3	B2S	0	A	—		4	123	122	173	167						
9A4	B3	0	A	—		4	119	118	171	168						
9A5	B4	0	A	—		4	113	112	188	195						
9B1	B1	0	A	—		4	117	116	170	169						
9B2	B2	0	A	—		4	120	121	172	166						
9B3	B2S	0	A	—		4	123	122	173	167						
9B4	B3	0	A	—		4	119	118	171	168						
9B5	B4	0	A	—		4	113	112	188	195						

COEFFICIENTS:

1	7	13	19	25	31	37	43	49	55	61	67	7576
CN	CY	CA	CAF	CBZ	CLM	CYN				MACH	BETA	7

IDPVAR(1) IDPVAR(2) NDV

a or b  
 SCHEDULES

TABLE 3. MODEL COMPONENT DESCRIPTIONS

MODEL COMPONENT: BODY - B<sub>1</sub> , B<sub>2</sub>

GENERAL DESCRIPTION: 040A Orbiter Body

B<sub>1</sub> INCLUDES CANOPY

B<sub>2</sub> WITHOUT CANOPY

DRAWING NUMBER: JLP SDD 9-24-71

DIMENSIONS:

	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length, inch	<u>1315.</u>	<u>7.89</u>
Max. Width, inch	<u>204.</u>	<u>1.224</u>
Max. Depth , inch	<u>238.</u>	<u>1.427</u>
Fineness Ratio	<u>7.07</u>	<u>7.07</u>
Areas, inch		
Max. Cross-Sectional	<u>306.2 ft<sup>2</sup></u>	<u>1.590 in.<sup>2</sup></u>
Planform	<u>1676. ft<sup>2</sup></u>	<u>8.68 in.<sup>2</sup></u>
Wetted	<u>6530. ft<sup>2</sup></u>	<u>33.8 in.<sup>2</sup></u>
Base	<u>298. ft<sup>2</sup></u>	<u>1.546 in.<sup>2</sup></u>

TABLE 3. (CONTINUED)

MODEL COMPONENT: WING, W1GENERAL DESCRIPTION: 040A Orbiter clipped delta wing

DRAWING NUMBER:

JLP SDD 9-24-71

DIMENSIONS:

FULL-SCALEMODEL SCALETOTAL DATA, INCLUDES ELEVONS

Area		
Planform	3155.3 ft <sup>2</sup>	16.37 in. <sup>2</sup>
Wetted	5360. ft <sup>2</sup>	27.8 in. <sup>2</sup>
Span (equivalent), inch	882.	5.292
Aspect Ratio	1.712	1.712
Rate of Taper	--	--
Taper Ratio	.1486	.1486
Diehedral Angle, degrees	7.0	7.0
Incidence Angle, degrees	1.5	1.5
Aerodynamic Twist, degrees	0	0
Toe-In Angle	--	--
Cant Angle	--	--
Sweep Back Angles, degrees		
Leading Edge	60.	60.
Trailing Edge	0	0
0.25 Element Line	52.4	52.4
Chords: inch		
Root (Wing Sta. 0.0)	897.	5.38
Tip, (equivalent) (Y = 441)	133.3	.800
MAC	609.5	3.657
Fus. Sta. of .25 MAC	X 1057.5	6.36
W.P. of .25 MAC	Z 302.3	1.812
B.L. of .25 MAC	Y 165.7	.996
Airfoil Section		
Root	NACA 0008-64	NACA 0008-64
Tip	NACA 0008-64	NACA 0008-64

EXPOSED DATA, INCLUDES ELEVONS

Area	2010. ft <sup>2</sup>	14.45 in. <sup>2</sup>
Span, (equivalent), inch	678.	4.07
Aspect Ratio	1.590	1.590
Taper Ratio	.1850	.1850
Chords, inch		
Root (Y102)	720.	4.32
Tip (Y441)	133.3	.800
MAC	494.	2.97
Fus. Sta. of .25 MAC	X 1145.5	6.87
W.P. of .25 MAC	Z 308.1	1.87
B.L. of .25 MAC	Y 232.8	1.397

TABLE 3. (CONTINUED)

MODEL COMPONENT: ELEVONSGENERAL DESCRIPTION: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_DRAWING NUMBER:JLP SDD 9-24-71DIMENSIONS: (FOR BOTH ELEVONS)FULL-SCALEMODEL SCALE

Area	<u>456. ft<sup>2</sup></u>	<u>2.36 in.<sup>2</sup></u>
Span (equivalent), INCH	<u>556.</u>	<u>3.33</u>
Inb'd equivalent chord, INCH	<u>118.</u>	<u>.708</u>
Outb'd equivalent chord, INCH	<u>118.</u>	<u>.708</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>.1662</u>	<u>.1662</u>
At Outb'd equiv. chord	<u>.517</u>	<u>.517</u>
Sweep Back Angles, degrees		
Leading Edge	<u>0</u>	<u>0</u>
Tailing Edge	<u>0</u>	<u>0</u>
Hingeline	<u>0</u>	<u>0</u>
Area Moment (Normal to hinge line)	<u>2240. ft<sup>3</sup></u>	<u>.835 in.<sup>2</sup></u>

TABLE 3. (CONTINUED)

MODEL COMPONENT: VERTICAL FIN, VIGENERAL DESCRIPTION: 040A Orbiter Vertical Fin. Both leading and trailing edges swept.DRAWING NUMBER: JLP SDD 9-24-71DIMENSIONS:FULL-SCALEMODEL SCALETOTAL DATA, INCLUDES RUDDER, EXCLUDES TIP POD

Area		
Planform	342. ft <sup>2</sup>	1.772 in. <sup>2</sup>
Wetted	684. ft <sup>2</sup>	3.55 in. <sup>2</sup>
Span (equivalent)	246.2	1.480
Aspect Ratio	1.228	1.228
Rate of Taper	--	--
Taper Ratio	.374	.374
Diehedral Angle, degrees	--	--
Incidence Angle, degrees	0	0
Aerodynamic Twist, degrees	0	0
Toe-In Angle	--	--
Cant Angle	--	--
Sweep Back Angles, degrees		
Leading Edge	45.	45.
Trailing Edge	15.	15.
0.25 Element Line	40.75	40.75
Chords: INCH		
Root (Wing Station 000)	291.6	1.750
Tip, (equivalent) (Z 746.2)	109.0	.654
MAC	214.0	1.284
Fus. Sta. of .25 MAC	X 1422.7	--
W.P. of .25 MAC	Z 604.2	--
B.L. of .25 MAC	0	--
Airfoil Section		
Root	NACA 0012-64	NACA 0012-64
Tip	" " "	" " "

EXPOSED DATA

Area  
Span, (equivalent)  
Aspect Ratio  
Taper Ratio  
Chords  
Root  
Tip  
MAC  
Fus. Sta. of .25 MAC  
W.P. of .25 MAC  
B.L. of .25 MAC

SAME  
AS  
ABOVE



TABLE 3. (CONTINUED)

MODEL COMPONENT: RUDDER- R1GENERAL DESCRIPTION: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_DRAWING NUMBER:JLP SDD 9-24-71DIMENSIONS:FULL-SCALEMODEL SCALE

Area	<u>135.6 ft<sup>2</sup></u>	<u>.702 in.<sup>2</sup></u>
Span (equivalent), INCH	<u>246.3</u>	<u>1.475</u>
Inb'd equivalent chord, INCH	<u>115.</u>	<u>.690</u>
Outb'd equivalent chord, INCH	<u>43.8</u>	<u>.263</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>.40</u>	<u>.40</u>
At Outb'd equiv. chord	<u>.40</u>	<u>.40</u>
Sweep Back Angles, degrees		
Leading Edge	<u>29.1</u>	<u>29.1</u>
Tailing Edge	<u>15.0</u>	<u>15.0</u>
Hingeline	<u>29.1</u>	<u>29.1</u>
Area Moment (Normal to hinge line)	<u>448. ft<sup>3</sup></u>	<u>.145 in.<sup>3</sup></u>

TABLE 3. (CONTINUED)

MODEL COMPONENT: VERTICAL TAIL - V2GENERAL DESCRIPTION: Centerline Stabilizer

DRAWING NUMBER:

NR

DIMENSIONS:

FULL-SCALEMODEL SCALETOTAL DATA

Area

Planform

Wetted

Span (equivalent)

Aspect Ratio

Rate of Taper

Taper Ratio

Dihedral Angle, degrees

Incidence Angle, degrees

Aerodynamic Twist, degrees

Toe-In Angle

Cant Angle

Sweep Back Angles, degrees

Leading Edge

Trailing Edge

0.25 Element Line

Chords:

Root (Wing Sta. 0.0)

Tip, (equivalent)

MAC

Fus. Sta. of .25 MAC

W.P. of .25 MAC

B.L. of .25 MAC

Airfoil Section

Root

Tip

EXPOSED DATA

Area

Span, (equivalent)

Aspect Ratio

Taper Ratio

Chords

Root

Tip

MAC

Fus. Sta. of .25 MAC

W.P. of .25 MAC

B.L. of .25 MAC

69,837.3 in<sup>2</sup>2.514 in<sup>2</sup>

369.17 in

2.215 in

1.95

1.95

0.3137

.3137

288.0 in

1.728 in

90.35 in

0.542 in

206.38 in

1.238 in

1469.04

8.814

652.44

3.915

0

0

TABLE 3. (CONTINUED)

MODEL COMPONENT: RUDDER R<sub>2</sub>

GENERAL DESCRIPTION: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

DRAWING NUMBER: \_\_\_\_\_

DIMENSIONS:

	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area	<u>181 ft<sup>2</sup></u>	<u>.939 in<sup>2</sup></u>
Span (equivalent)	<u>346 in</u>	<u>2.073 in</u>
Inb'd equivalent chord	<u>115 in</u>	<u>.691 in</u>
Outb'd equivalent chord	<u>36 in</u>	<u>.217 in</u>
Ratio Elevator chord/horizontal tail chord		
At Inb'd equiv. chord	<u>.40</u>	<u>.40</u>
At Outb'd equiv. chord	<u>.40</u>	<u>.40</u>
Sweep Back Angles, degrees		
Leading Edge	<u>32°</u>	<u>32°</u>
Tailing Edge	<u>21°</u>	<u>21°</u>
Hingeline	<u>32°</u>	<u>32°</u>
Area Moment (Normal to hinge line)	<u>569 ft<sup>3</sup></u>	<u>.212 in<sup>3</sup></u>

TABLE 3. (CONTINUED)

MODEL COMPONENT: BODY - ACPS ENGINE POD . P1GENERAL DESCRIPTION: Blunt pod mounted on both wing tips.DRAWING NUMBER:JLP SDD 9-24-71DIMENSIONS:FULL-SCALEMODEL SCALE

Length , inch	<u>165.</u>	<u>.990</u>
Max. Width , inch	<u>55.</u>	<u>.330</u>
Max. Depth , inch	<u>28.</u>	<u>.168</u>
Fineness Ratio	<u>--</u>	<u>--</u>
Areas , in. <sup>2</sup>		
Max. Cross-Sectional	<u>1540.</u>	<u>.0555</u>
Planform	<u>8280.</u>	<u>.298</u>
Wetted	<u>15,800.</u>	<u>.568</u>
Base	<u>1540.</u>	<u>.0555</u>

TABLE 3. (CONTINUED)

MODEL COMPONENT: BODY - OMS ENGINE POD, MIGENERAL DESCRIPTION: Pods mounted on both sides of aft end of fuselage.DRAWING NUMBER:JLP SDD 9-24-71DIMENSIONS:FULL-SCALEMODEL SCALE

Length, inch

251.1.509

Max. Width, inch

42.8.257

Max. Depth, inch

59.0.354

Fineness Ratio

----Areas, in.<sup>2</sup>

Max. Cross-Sectional

1828..0658

Planform

9880..356

Wetted

25,400..915

Base

1807..0651

TABLE 3. (CONTINUED)

MODEL COMPONENT: BODY - HO Tank - T<sub>2</sub>

GENERAL DESCRIPTION: \_\_\_\_\_

Blunt cone-cylinder centerline tank with aft boat tail. $\theta_{\text{cone}} = 10^\circ$ . Nose radius = 22 in. full-scale.Diameter at base = 274 in. full-scale.DRAWING NUMBER: \_\_\_\_\_DIMENSIONS:FULL-SCALEMODEL SCALE

Length

2022 in.12.133 in.

Max. Width

301 in.1.806 in.

Dia.

Max. Depth

301 in.1.806 in.

Fineness Ratio

6.736.73

Area

Max. Cross-Sectional

494 ft<sup>2</sup>2.562 in.<sup>2</sup>

Planform

------

Wetted

------

Base

422 ft<sup>2</sup>2.125 in.<sup>2</sup>

TABLE 3. (CONTINUED)

MODEL COMPONENT: BODY - H0 Tank - T<sub>1</sub>

GENERAL DESCRIPTION: \_\_\_\_\_

Blunt cone-cylinder centerline tank with aft boat tail. $\theta_{\text{cone}} = 15^\circ$ . Nose radius = 22 in. full-scale.Diameter at base = 274 in. full-scale.DRAWING NUMBER: \_\_\_\_\_DIMENSIONS:FULL-SCALEMODEL SCALE

Length

1867 in.11.205 in.

Max. Width

301 in.1.806 in.

Max. Depth

Dia.

301 in.1.806 in.

Fineness Ratio

6.26.2

Area

Max. Cross-Sectional

494 ft<sup>2</sup>2.562 in.<sup>2</sup>

Planform

------

Wetted

------

Base

422 ft<sup>2</sup>2.125 in.<sup>2</sup>

TABLE 3. (CONTINUED)

MODEL COMPONENT: BODY - HO Tank - T<sub>3</sub>

GENERAL DESCRIPTION: \_\_\_\_\_

Blunt cone-cylinder centerline tank with aft boat tail. $\theta$  cone = 10°. Nose radius = 22 in. full-scale.Diameter at base = 304 in. full-scale.DRAWING NUMBER: \_\_\_\_\_DIMENSIONS:FULL-SCALEMODEL SCALE

Length

1914 in.11.442 in.

Max. Width

323.5 in.1.941 in.

Dia.

Max. Depth

323.5 in.1.941 in.

Fineness Ratio

5.925.92

Area

Max. Cross-Sectional

587 ft<sup>2</sup>2.959 in.<sup>2</sup>

Planform

------

Wetted

------

Base

518 ft<sup>2</sup>2.613 in.<sup>2</sup>



TABLE 3. (CONTINUED)

MODEL COMPONENT: BODY - HO-TANK-T<sub>4</sub>

GENERAL DESCRIPTION: Blunt Cone-Cylinder Centerline Tank with Aft Boat Tail

$\theta_{\text{Cone}} = 20^\circ$ . Nose Radius = 22 In. Full-Scale. Maximum Diameter = 334 In.

Full Scale.

DRAWING NUMBER: \_\_\_\_\_

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length	<u>1700 In.</u>	<u>10.200 In.</u>
Max. Width	<u>334 In.</u>	<u>2.004 In.</u>
Dia.		
Max. Depth	<u>334 In.</u>	<u>2.004 In.</u>
Fineness Ratio	<u>5.09</u>	<u>5.09</u>
Area		
Max. Cross-Sectional	<u>608 Ft.<sup>2</sup></u>	<u>3.154 In.<sup>2</sup></u>
Planform	<u>---</u>	<u>---</u>
Wetted	<u>---</u>	<u>---</u>
Base	<u>537 Ft.<sup>2</sup></u>	<u>2.785 In.<sup>2</sup></u>

TABLE 3. (CONTINUED)

MODEL COMPONENT: TANK VENTRAL FIN, F<sub>1</sub>GENERAL DESCRIPTION: Single Fin Mounted on Tank, T<sub>4</sub>.Fin has no movable surface.DRAWING NUMBER: \_\_\_\_\_

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area	<u>337 Ft.<sup>2</sup></u>	<u>1.747 In.<sup>2</sup></u>
Span (equivalent)	<u>237 In.</u>	<u>1.420 In.</u>
Inb'd equivalent chord	<u>323 In.</u>	<u>1.940 In.</u>
Outb'd equivalent chord	<u>87 In.</u>	<u>0.520 In.</u>
Ratio Elevator chord/horizontal tail chord		
At Inb'd equiv. chord	<u>---</u>	<u>---</u>
At Outb'd equiv. chord	<u>---</u>	<u>---</u>
Sweep Back Angles, degrees		
Leading Edge	<u>45</u>	<u>45</u>
Tailing Edge	<u>0</u>	<u>0</u>
Hingeline	<u>---</u>	<u>---</u>
Area Moment (Normal to hinge line)	<u>---</u>	<u>---</u>

TABLE 3. (CONTINUED)

MODEL COMPONENT: BODY - Booster, B<sub>7</sub>

GENERAL DESCRIPTION: Parallel burn version of recoverable pressure-fed booster (RPFB). Blunt cone-cylinder with afterbody flare.  $\theta_{\text{cone}} = 20^\circ$ .  $\theta_{\text{flare}} = 15^\circ$ .

Nose radius = 22 in. full-scale.

DRAWING NUMBER: \_\_\_\_\_

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length	<u>1799 in.</u>	<u>10.792 in.</u>
Dia. Body	<u>206 in.</u>	<u>1.236 in.</u>
Max. Dia. Flare	<u>402 in.</u>	<u>2.412 in.</u>
Fineness Ratio	<u>8.73</u>	<u>8.73</u>
Area		
Cross-Sectional (Body)	<u>231 ft<sup>2</sup></u>	<u>1.200 in.<sup>2</sup></u>
Planform	<u>---</u>	<u>---</u>
Wetted	<u>---</u>	<u>---</u>
Base (flare)	<u>901 ft<sup>2</sup></u>	<u>4.539 in.<sup>2</sup></u>

TABLE 3. (CONTINUED)

MODEL COMPONENT: BODY - Booster, B SGENERAL DESCRIPTION: Pressure-Fed BoosterDRAWING NUMBER: \_\_\_\_\_DIMENSIONS:FULL-SCALEMODEL SCALE

Length

1799 In.10.792 In.

Dia. Body

206 In.1.236 In.

Max. Dia. Flare

624 In.3.744 In.

Fineness Ratio

8.738.73

Area

Max. Cross-Sectional (Body)

231 Ft<sup>2</sup>1.200 In.<sup>2</sup>

Planform

------

Wetted

------

Base (Flare)

2125 Ft<sup>2</sup>11.0093 In.<sup>2</sup>

TABLE 3.. (CONTINUED)

MODEL COMPONENT: CODY - Booster, B<sub>1</sub>S<sub>2</sub>GENERAL DESCRIPTION: Pressure-Fed BoosterDRAWING NUMBER: \_\_\_\_\_DIMENSIONS:FULL-SCALEMODEL SCALE

Length	<u>1799 In.</u>	<u>10.792 In.</u>
Dia. Body	<u>206 In.</u>	<u>1.236 In.</u>
Max. Dia. Flare	<u>936.3 In.</u>	<u>5.618 In.</u>
Fineness Ratio	<u>8.73</u>	<u>8.73</u>
Area		
Max. Cross-Sectional (Body)	<u>231 Ft<sup>2</sup></u>	<u>1.200 In.<sup>2</sup></u>
Planform	<u>---</u>	<u>---</u>
Wetted	<u>---</u>	<u>---</u>
Base (Flare)	<u>4785 Ft<sup>2</sup></u>	<u>24.7887 In.<sup>2</sup></u>

TABLE 3. (CONTINUED)

MODEL COMPONENT: BODY - Booster - B<sub>2</sub>

GENERAL DESCRIPTION: \_\_\_\_\_

SRM Booster . Blunt cone-cylinder.  $\theta$  cone =  $20^\circ$ . Nose radius = 16.67 in.  
 full-scale.

DRAWING NUMBER: \_\_\_\_\_

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length	<u>1775 in.</u>	<u>10.633 in.</u>
Max. Width      Dia.	<u>156 in.</u>	<u>0.936 in.</u>
Max. Depth	<u>156 in.</u>	<u>0.936 in.</u>
Fineness Ratio	<u>11.37</u>	<u>11.37</u>
Area		
Max. Cross-Sectional	<u>137.8 ft<sup>2</sup></u>	<u>0.694 in.<sup>2</sup></u>
Planform	<u>---</u>	<u>---</u>
Wetted	<u>---</u>	<u>---</u>
Base	<u>137.8 ft<sup>2</sup></u>	<u>0.694 in.<sup>2</sup></u>

TABLE 3. (CONTINUED)

MODEL COMPONENT: BODY - Booster - B<sub>2</sub>S

GENERAL DESCRIPTION: \_\_\_\_\_

SRM Booster , B<sub>2</sub> booster with 15° afterbody flare. Nose radius = 16.67  
in. full-scale.

DRAWING NUMBER: \_\_\_\_\_

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length	<u>1775 in.</u>	<u>10.633 in.</u>
Dia. Body	<u>156 in.</u>	<u>0.936 in.</u>
Max. Dia. Flare	<u>275 in.</u>	<u>1.650 in.</u>
Fineness Ratio	<u>11.37</u>	<u>11.37</u>
Area		
Cross Sectional (Body)	<u>137.8 ft<sup>2</sup></u>	<u>0.694 in.<sup>2</sup></u>
Planform	<u>---</u>	<u>---</u>
Wetted	<u>---</u>	<u>---</u>
Base (Flare)	<u>428 ft<sup>2</sup></u>	<u>2.158 in.<sup>2</sup></u>

TABLE 3. (CONTINUED)

MODEL COMPONENT: BODY - Booster - B<sub>3</sub>GENERAL DESCRIPTION: Parallel burn version of recoverable pressure-fed booster (RPFB). Blunt cone-cylinder with afterbody flare.  $\theta$  cone = 15°.Nose radius - 22 in. full-scale.  $\theta$  Flare = 15°DRAWING NUMBER: \_\_\_\_\_DIMENSIONS:

	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length	<u>1800 in.</u>	<u>10.800 in.</u>
Dia. Body	<u>206 in.</u>	<u>1.236 in.</u>
Max. Dia. Flare	<u>402 in.</u>	<u>2.412 in.</u>
Fineness Ratio	<u>8.74</u>	<u>8.74</u>
Area		
Cross-Sectional (Body)	<u>231 ft<sup>2</sup></u>	<u>1.200 in.<sup>2</sup></u>
Planform	<u>---</u>	<u>---</u>
Wetted	<u>---</u>	<u>---</u>
Base (Flare)	<u>902 ft<sup>2</sup></u>	<u>4.545 in.<sup>2</sup></u>



TABLE 3. (CONTINUED)

MODEL COMPONENT: BODY - Booster - B<sub>4</sub>

GENERAL DESCRIPTION: Parallel burn version of recoverable pressure-fed  
booster (RPFB). Blunt cone-cylinder with afterbody flare.  $\theta_{\text{cone}} = 20^\circ$ .  
 $\theta_{\text{flare}} = 5^\circ$ . Nose radius = 22 in. full scale.

DRAWING NUMBER: \_\_\_\_\_

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length	<u>1503 in.</u>	<u>9.025 in.</u>
Dia. Body	<u>247 in.</u>	<u>1.483 in.</u>
Max. Dia. Flare	<u>318 in.</u>	<u>1.909 in.</u>
Fineness Ratio	<u>6.09</u>	<u>6.09</u>
Area		
Cross-Sectional (Body)	<u>343 ft<sup>2</sup></u>	<u>1.727 in.<sup>2</sup></u>
Planform	<u>---</u>	<u>---</u>
Wetted	<u>---</u>	<u>---</u>
Base (Flare)	<u>568 ft<sup>2</sup></u>	<u>2.865 in.<sup>2</sup></u>

TABLE 3. (CONTINUED)

MODEL COMPONENT: Fin, F<sub>4</sub>GENERAL DESCRIPTION: Single fin mounted on each B<sub>4</sub> booster flare.Roll-out angle is 45° down. Fin has no movable surface.

DRAWING NUMBER: \_\_\_\_\_

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area (exposed planform, 1 fin)	<u>503 ft<sup>2</sup></u>	<u>2.610 in<sup>2</sup></u>
Span (equivalent, to booster C <sub>4</sub> )	<u>424 in</u>	<u>2.544 in</u>
Inb'd equivalent chord	<u>410 in</u>	<u>2.460 in</u>
Outb'd equivalent chord	<u>110 in</u>	<u>0.660 in</u>
Ratio Elevator chord/horizontal tail chord		
At Inb'd equiv. chord	<u>---</u>	<u>---</u>
At Outb'd equiv. chord	<u>---</u>	<u>---</u>
Sweep Back Angles, degrees		
Leading Edge	<u>45</u>	<u>45</u>
Tailing Edge	<u>0</u>	<u>0</u>
Hingeline	<u>---</u>	<u>---</u>
Area Moment (Normal to hinge line)	<u>---</u>	<u>---</u>

TABLE 3. (CONTINUED)

MODEL COMPONENT: BODY - Booster, B<sub>5</sub>GENERAL DESCRIPTION: Pressure-Fed BoosterDRAWING NUMBER: \_\_\_\_\_DIMENSIONS:FULL-SCALEMODEL SCALE

Length

1799 In.10.792 In.

Dia. Body

206 In.1.236 In.

Max. Dia. Flare

319.3 In.1.916 In.

Fineness Ratio

8.738.73

Area

Max. Cross-Sectional (Body)

231 Ft<sup>2</sup>1.200 In.<sup>2</sup>

Planform

------

Wetted

------

Base (Flare)

557 Ft<sup>2</sup>2.88 In.<sup>2</sup>

TABLE 3. (CONTINUED)

MODEL COMPONENT: BODY - Booster, B6GENERAL DESCRIPTION: SRM Booster

DRAWING NUMBER \_\_\_\_\_

<u>DIMENSION:</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length	<u>1613 in.</u>	<u>9.673 in.</u>
Dia. (Body)	<u>156 in.</u>	<u>0.936 in.</u>
Max Depth	<u>156 in.</u>	<u>0.936 in.</u>
Fineness Ratio	<u>10.35</u>	<u>10.35</u>
Area		
Max Cross-Sectional	<u>137.8 ft<sup>2</sup></u>	<u>0.694 in<sup>2</sup></u>
Planform	<u>---</u>	<u>---</u>
Wetted	<u>---</u>	<u>---</u>
Base (Nozzle)	<u>95.4 ft<sup>2</sup></u>	<u>0.481 in<sup>2</sup></u>

TABLE 3. (CONTINUED)

MODEL COMPONENT: BODY - Booster, B<sub>7</sub>GENERAL DESCRIPTION: 120" Dia. SRMDRAWING NUMBER: \_\_\_\_\_DIMENSIONS:FULL-SCALEMODEL SCALE

Length

1403 In.8.418 In.

Dia. Body

120 In.0.72 In.

Max. Dia. Flare

------

Fineness Ratio

11.711.7

Area

Max. Cross-Sectional (Body)

79.3 Ft<sup>2</sup>0.408 In.<sup>2</sup>

Planform

------

Wetted

------

Base

79.3 Ft<sup>2</sup>0.408 In.<sup>2</sup>

TABLE 3. (CONCLUDED)

MODEL COMPONENT: BODY - TVC Tank A1 for B<sub>7</sub>

GENERAL DESCRIPTION: Thrust Vectoring Fuel Tank

DRAWING NUMBER: \_\_\_\_\_

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length	<u>381.8 In.</u>	<u>2.291 In.</u>
Dia. Body	<u>42 In.</u>	<u>0.252 In.</u>
Max. Dia. Flare	<u>---</u>	<u>---</u>
Fineness Ratio	<u>9.08</u>	<u>9.08</u>
Area		
Max. Cross-Sectional (Body)	<u>9.65 Ft<sup>2</sup></u>	<u>0.05 In.<sup>2</sup></u>
Planform	<u>---</u>	<u>---</u>
Wetted	<u>---</u>	<u>---</u>
Base	<u>---</u>	<u>---</u>

TABLE 4.  
Plume Definition

M = 1.5

$\frac{B_1}{r_e = 187 \text{ in.}}$		$\frac{B_6}{r_e = 66 \text{ in.}}$		$\frac{O_1 (3 \text{ Eng. -HiPc})}{r_e = 92.5 \text{ in.}}$	
x/r <sub>e</sub>	r/r <sub>e</sub>	x/r <sub>e</sub>	r/r <sub>e</sub>	x/r <sub>e</sub>	r/r <sub>e</sub>
0	1.00	0	1.00	0	1.0
0.5	1.17	0.5	1.23	0.5	1.0
1.0	1.22	1.0	1.48	1.0	1.0
1.5	1.23	1.5	1.70	1.5	1.0
2.0	1.20	2.0	1.88	2.0	1.0
		2.5	2.00		
		3.0	2.11		

M = 2.2

$\frac{B_6}{r_e = 66 \text{ in.}}$		$\frac{O_1 (3 \text{ Eng. -HiPc})}{r_e = 118 \text{ in.}}$	
x/r <sub>e</sub>	r/r <sub>e</sub>	x/r <sub>e</sub>	r/r <sub>e</sub>
0	1.00	0	1.00
0.5	1.33	0.5	1.10
1.0	1.62	1.0	1.20
1.5	1.88	1.5	1.26
2.0	2.13	2.0	1.33
2.5	2.33	2.5	1.41
3.0	2.51	3.0	1.47
4.0	2.84	4.0	1.57
5.0	3.12	5.0	1.62
6.0	3.35	6.0	1.65
7.0	3.55	7.0	1.66
8.0	3.72	8.0	1.64
9.0	3.87		
10.0	3.97		
11.0	4.03		
12.0	4.11		
13.0	4.15		
14.0	4.17		

TABLE 4, cont.

 $M = 2.5$ 

$\frac{B_1}{r_e} = 187 \text{ in.}$		$\frac{O_1 (4 \text{ Eng. - J2S})}{r_e} = 89 \text{ in.}$	
$x/r_e$	$r/r_e$	$x/r_e$	$r/r_e$
0	1.00	0	1.00
0.5	1.34	0.5	1.21
1.0	1.53	1.0	1.34
1.5	1.77	1.5	1.46
2.0	1.91	2.0	1.56
2.5	2.03	2.5	1.61
3.0	2.13	3.0	1.67
4.0	2.30	4.0	1.71
5.0	2.30	5.0	1.75
6.0	2.23		

B7 $M = 1.5$ 

$r_e = 60 \text{ in.}$	
$x/r_e$	$r/r_e$
0	1.00
0.026	1.01
0.100	1.05
0.240	1.10
0.320	1.14
0.430	1.18
0.680	1.27
1.000	1.34
1.400	1.50
1.870	1.61
2.430	1.72
3.410	1.87
4.150	1.94
4.970	1.98
5.830	2.00

 $M = 2.2$ 

$r_e = 60 \text{ in.}$	
$x/r_e$	$r/r_e$
0	1.00
0.04	1.02
0.17	1.09
0.23	1.12
0.30	1.16
0.38	1.20
0.48	1.24
0.58	1.29
0.70	1.34
0.83	1.40
1.13	1.52
1.30	1.60
1.69	1.73
2.13	1.87
2.64	2.02
3.22	2.17
3.87	2.31
4.58	2.45
5.36	2.57



TABLE 5.  
INDEX OF MODEL FIGURES

FIGURE NUMBER		
1.	Axis System	87
2.	Photograph of Configuration (01)T4B7A1-4	88
3.	Photograph of Configuration (01)T4B7A1-5	89
4.	General Arrangement-Ascent Configuration 01T1B1	90
5.	General Arrangement-Ascent Configuration with Booster B1 or B5	91
6.	General Arrangement-Ascent Configuration with Booster B2 or B2S	92
7.	General Arrangement-Ascent Configuration with Booster B3	93
8.	General Arrangement-Ascent Configuration with Booster B4	94
9.	General Arrangement-Ascent Configuration 01T4B7-4 (Side View)	95
10.	General Arrangement-Ascent Configuration 01T4B7-4 (Top View)	96
11.	General Arrangement-Ascent Configuration 01T4B7-4 (Rear View)	97
12.	Centerline HO Tank Locations	98
13.	Moment Transfer Diagram for Ascent Configuration	99
14.	Moment Transfer Diagram for Orbiter Alone	100
15.	Moment Transfer Diagram for Centerline Tank Alone	101
16.	Moment Transfer Diagram for B1 Booster Alone	102
17.	Moment Transfer Diagram for B2 and B2S Boosters Alone	103
18.	Moment Transfer Diagram for B3 Booster Alone	104
19.	Moment Transfer Diagram for B4 Booster Alone	105

TABLE 5.  
INDEX OF MODEL FIGURES (CONTINUED)

FIGURE NUMBER		
20.	General Arrangement O4OA Orbiter	106
21.	Orbiter Body, B1	107
22.	Wing and Elevon, W1	108
23.	Elevon Deflections and Rudder Flare	109
24.	Vertical Fin and Rudder, V1	110
25.	Vertical Fin and Rudder, V2	111
26.	ACPS Engine Pod, P1 and OMS Engine Pod, M1	112
27.	Centerline HO Tank, T1	113
28.	Centerline HO Tank, T2	114
29.	Centerline HO Tank, T3	115
30.	Centerline HO Tank T4 With Tank Ventral Fin, F1	116
31.	Centerline Ventral Fin, F1	117
32.	Boosters, B1 and B5	118
33.	Booster, B1S1	119
34.	Booster, B1S2	120
35.	Booster, B1D2	121
36.	Booster, B1D6	123
37.	Booster, B1D7	124
38.	Boosters, B2, B2S & B6	125
39.	Booster, B3	126
40.	Booster, B4	127

TABLE 5.

## INDEX OF MODEL FIGURES (CONTINUED)

FIGURE NUMBER		
41.	Booster Fin F <sup>4</sup> Mounted on Booster B <sup>4</sup>	128
42.	Booster, B7A1	129
43.	Plume Contours for Pressure Fed Boosters	130
44.	Plume Contours for 156 Inch Solid Rocket Motors	131
45.	Plume Contour for Orbiter	132
46.	Sketch of Plume for Booster B7	133
47.	Tunnel Installation for the OBT Configuration- Pitch Series (Orbiter, Tank and Booster Independently Supported)	134
48.	Tunnel Installation for the OBT Configuration- Pitch Series (Booster and Orbiter Fixed to Centerline Tank)	135
49.	Tunnel Installation for the OBT Configuration- Pitch Series (Booster Fixed to Centerline Tank)	136
50.	Tunnel Installation for the OBT Configuration- Pitch Series (Right Booster Fixed to Centerline Tank, Left Booster Independently Supported)	137
51.	Tunnel Installation for the OBT Configuration- Pitch Series (Left and Right Booster Independently Supported)	138
52.	Tunnel Installation for the OBT Configuration With 6° Sideslip Angle-Pitch Series (Boosters Fixed to Centerline Tank)	139
53.	Tunnel Installation for the OBT Configuration With 0° Angle of Attack-Yaw Series (Boosters Fixed to Centerline Tank)	140

TABLE 5.

## INDEX OF MODEL FIGURES (CONTINUED)

FIGURE  
NUMBER

54.	Tunnel Installation for the OBT Configuration With 6° Angle of Attack-Yaw Series (Boosters Fixed to the Centerline Tank)	141
55.	Tunnel Installation for the Orbiter Alone Configuration	142
56.	Tunnel Installation for the Tank Alone Configuration	143
57.	Tunnel Installation for the Booster Alone Configuration	144

TABLE 6. INDEX OF DATA FIGURES

TITLE	PLOTTED		CONDITIONS VARYING	VOLUME/ PAGE NO.
	COEFFICIENTS	SCHEDULE		
Longitudinal Effects of a B1 Booster on (01)TLB1 at Beta = 0	A		Ascent Configuration Booster Isolation	I/1-50
Longitudinal Effects of a B1 Booster on (01)TLB1 at Beta = 6	A		Ascent Configuration Booster Isolation	I/51-80
Lateral-Directional Effects of a B1 Booster on (01)TLB1 at Beta = 0	B		Ascent Configuration Booster Isolation	I/81-95
Lateral-Directional Effects of a B1 Booster on (01)TLB1 at Beta = 6	B		Ascent Configuration Booster Isolation	I/96-104
Lateral-Directional Effects of a B1 Booster on (01)TLB1 with Beta at Alpha = 0	D		Ascent Configuration Booster Isolation	I/105-110
Longitudinal Effects of a B1 Booster on (01)TLB1 with Beta at Alpha = 0	E		Ascent Configuration Booster Isolation	I/111-120
Effect of Beta on Longitudinal Characteristics of 01TLB1	A		Beta	I/121-180
Effect of Beta on Lateral-Directional Characteristics of 01TLB1	B		Beta	I/181-198
Lateral-Directional Characteristics of Configuration 01TLB1 with Beta at Alpha = 0	C			I/199-218
Aileron Effectiveness of Configuration (01)TLB1 at Beta = 0	B		Aileron Deflection	I/219-236
Aileron Effectiveness of Configuration 01TLB1 at Beta = 0	B		Aileron Deflection	I/237-239
Variation of Aileron Control at Alpha = 0 with Beta of 01TLB1	C		Aileron Deflection	I/240-243
Longitudinal Effects of a B2 Booster on (01)TLB2 at Beta = 6	A		Ascent Configuration Booster Isolation	I/244-303

TABLE 6. (CONTINUED)

TITLE	PIOTTED COEFFICIENTS SCHEDULE	CONDITIONS VARYING	VOLUME/ PAGE NO.
Lateral-Directional Effects of a B2 Booster on (01)TLB2 at Beta = 6	B	Ascent Configuration Booster Isolation	I/304-309
Effect of Beta on Longitudinal Characteristics of 01TLB2	A	Beta	I/310-369
Effect of Beta on Lateral-Directional Characteristics of 01TLB2	B	Beta	I/370-387
Effect of Beta on Longitudinal Characteristics of 01TLB2S	A	Beta	I/388-447
Effect of Beta on Lateral-Directional Characteristics of 01TLB2S	B	Beta	I/448-465
Longitudinal Effects of a B3 Booster on (01)TLB3 at Beta = 0	A	Ascent Configuration Booster Isolation	I/466-525
Longitudinal Effects of a B3 Booster on (01)TLB3 at Beta = 6	A	Ascent Configuration Booster Isolation	I/526-545
Lateral-Directional Effects of a B3 Booster on (01)TLB3 at Beta = 0	B	Ascent Configuration Booster Isolation	I/546-557
Lateral-Directional Effects of a B3 Booster on (01)TLB3 at Beta = 6	B	Ascent Configuration Booster Isolation	I/558-563
Lateral-Directional Effects of a B3 Booster on (01)TLB3 with Beta at Alpha = 0	D	Ascent Configuration Booster Isolation	I/564-569
Longitudinal Effects of a B3 Booster on (01)TLB3 with Beta at Alpha = 0	E	Ascent Configuration Booster Isolation	I/570-579

TABLE 6. (CONTINUED)

TITLE	PLOTTED COEFFICIENTS SCHEDULE	CONDITIONS VARYING	VOLUME/ PAGE NO.
Longitudinal Effects of a B <sub>4</sub> Booster on (01)TLB <sub>4</sub> at Beta = 0	A	Ascent Configuration Booster Isolation	I/580-639
Longitudinal Effects of a B <sub>4</sub> Booster on (01)TLB <sub>4</sub> at Beta = 6	A	Ascent Configuration Booster Isolation	I/640-659
Lateral-Directional Effects of a B <sub>4</sub> Booster on (01)TLB <sub>4</sub> at Beta = 0	B	Ascent Configuration Booster Isolation	I/660-674
Lateral-Directional Effects of a B <sub>4</sub> Booster on (01)TLB <sub>4</sub> at Beta = 6	B	Ascent Configuration Booster Isolation	I/675-680
Lateral-Directional Effects of a B <sub>4</sub> Booster on (01)TLB <sub>4</sub> with Beta at Alpha = 0	D	Ascent Configuration Booster Isolation	I/681-689
Longitudinal Effects of a B <sub>4</sub> Booster on (01)TLB <sub>4</sub> with Beta at Alpha = 0	E	Ascent Configuration Booster Isolation	I/690-704
Longitudinal Effects of a B <sub>5</sub> Booster on (01)TLB <sub>5</sub> at Beta = 6	A	Ascent Configuration Booster Isolation	I/705-724
Lateral-Directional Effects of a B <sub>5</sub> Booster on (01)TLB <sub>5</sub> at Beta = 6	B	Ascent Configuration Booster Isolation	I/725-730
Longitudinal Effects of a B <sub>5</sub> Booster on (01V1)TLB <sub>5</sub> at Beta = 0	A	Ascent Configuration Booster Isolation	I/731-790
Longitudinal Effects of a B <sub>5</sub> Booster on (01V1)TLB <sub>5</sub> at Beta = 6	A	Ascent Configuration Booster Isolation	I/791-800
Lateral-Directional Effects of a B <sub>5</sub> Booster on (01V1)TLB <sub>5</sub> at Beta = 0	B	Ascent Configuration Booster Isolation	I/801-812
Lateral-Directional Effects of a B <sub>5</sub> Booster on (01V1)TLB <sub>5</sub> at Beta = 6	B	Ascent Configuration Booster Isolation	I/813-815
Lateral-Directional Effects of a B <sub>5</sub> Booster on (01V1)TLB <sub>5</sub> with Beta at Alpha = 0	D	Ascent Configuration Booster Isolation	I/816-824

TABLE 6. (CONTINUED)

TITLE	PLOTTED COEFFICIENTS SCHEDULE	CONDITIONS VARYING	VOLUME/ PAGE NO.
Longitudinal Effects of a B5 Booster on (01V1)TLB5 with Beta at Alpha = 0	E	Ascent Configuration Booster Isolation	I/825-839
Longitudinal Characteristics of (01)TLB6 at Beta = 0	A	Mach No.	I/840-849
Lateral-Directional Characteristics of (01)TLB6 at Alpha = 0	C	Mach No.	I/850-853
Longitudinal Characteristics of (01)TLB6 with Allerons = 20 at Beta = 0	A	Mach No.	I/854-863
Lateral-Directional Characteristics of (01)TLB6 with Allerons = 20 at Beta = 0	B	Mach No.	I/864-866
Lateral-Directional Characteristics of (01)TLB6 with Allerons = 20 at Alpha = 0	D	Mach No.	I/867-869
Longitudinal Characteristics of (01)TLB6 with Allerons = 20 at Alpha = 0	E	Mach No.	I/870-874
Tank Nose Effect on Longitudinal Characteristics of Configuration (01)TLB1 at Beta = 0	A	Configuration	I/875-904
Longitudinal Effects of a B1 Booster on (01)T2B1 at Beta = 6	A	Ascent Configuration Booster Isolation	I/905-914
Lateral-Directional Effects of a B1 Booster on (01)T2B1 at Beta = 6	B	Ascent Configuration Booster Isolation	I/915-917
Tank Nose Effect on Longitudinal Characteristics of Configuration (01V1)TLB5 at Beta = 0	A	Configuration	I/918-947
Tank Nose Cone Effect on Lateral-Directional Characteristics of Configuration (01V1)TLB5 at Alpha = 0	C	Configuration	I/948-959



TABLE 6. (CONTINUED)

TITLE	PLOTTED COEFFICIENTS SCHEDULE	CONDITIONS VARYING	VOLUME/ PAGE NO.
Effect of Tank T2 Longitudinal Position on (01)T2B1 at Beta = 0	A	Configuration	I/960-989
Longitudinal Effects of a B1 Booster on (01)T2AB1 at Beta = 6	A	Ascent Configuration Booster Isolation	I/990-999
Lateral-Directional Effects of a B1 Booster on (01)T2AB1 at Beta = 6	B	Ascent Configuration Booster Isolation	I/1000-1002
Effect of Tank T2 Longitudinal Position on (01V1)T2B5 at Beta = 0	A	Configuration	I/1003-1032
Effect of Tank T2 Longitudinal Position on (01V1)T2B5 at Beta = 0	A	Configuration	I/1033-1062
Effect of Tank T2 Longitudinal Position on (01V1)T2B5 with Beta at Alpha = 0	C	Configuration	I/1063-1074
Effect of Tank T2 Longitudinal Position on (01V1)T2B5 with Beta at Alpha = 0	C	Configuration	I/1075-1082
Longitudinal Effects of a B1 Booster on (01)T3B1 at Beta = 0	A	Ascent Configuration Booster Isolation	II/1-40
Longitudinal Effects of a B1 Booster on (01)T3B1 at Beta = 6	A	Ascent Configuration Booster Isolation	II/41-60
Lateral-Directional Effects of a B1 Booster on (01)T3B1 at Beta = 0	B	Ascent Configuration Booster Isolation	II/61-72
Lateral-Directional Effects of a B1 Booster on (01)T3B1 at Beta = 6	B	Ascent Configuration Booster Isolation	II/73-78
Lateral-Directional Effects of a B1 Booster on (01)T3B1 with Beta at Alpha = 0	D	Ascent Configuration Booster Isolation	II/79-84

TABLE 6. (CONTINUED)

TITLE	PLOTTED COEFFICIENTS SCHEDULE	CONDITIONS VARYING	VOLUME PAGE NO.
Longitudinal Effects of a B1 Booster on (01)T3B1 with Beta at Alpha = 0	E	Ascent Configuration Booster Isolation	II/85-99
Longitudinal Effects of a B2 Booster on (01)T3B2 at Beta = 0	A	Ascent Configuration Booster Isolation	II/100-139
Lateral-Directional Effects of a B2 Booster on (01)T3B2 at Beta = 0	B	Ascent Configuration Booster Isolation	II/140-151
Lateral-Directional Effects of a B2 Booster on (01)T3B2 with Beta at Alpha = 0	C	Ascent Configuration Booster Isolation	II/152-157
Longitudinal Effects of a B2 Booster on (01)T3B2 with Beta at Alpha = 0	E	Ascent Configuration Booster Isolation	II/158-167
Longitudinal Characteristics of Configuration 01T3B2 at Beta = 0	A		II/168-177
Longitudinal Characteristics of Configuration 01T3B2 at Beta = 6	A	Mach No.	II/178-187
Lateral-Directional Characteristics of Configuration 01T3B2 at Beta = 6	B	Mach No.	II/188-190
Longitudinal Effects of a B3 Booster on (01)T3B3 at Beta = 0	A	Ascent Configuration Booster Isolation	II/191-230
Longitudinal Effects of a B3 Booster on (01)T3B3 at Beta = 6	A	Ascent Configuration Booster Isolation	II/231-240
Lateral-Directional Effects of a B3 Booster on (01)T3B3 at Beta = 0	B	Ascent Configuration Booster Isolation	II/241-252
Lateral-Directional Effects of a B3 Booster on (01)T3B3 at Beta = 6	B	Ascent Configuration Booster Isolation	II/253-255

TABLE 6. (CONTINUED)

TITLE	PLOTTED		VOLUME/ PAGE NO.
	COEFFICIENTS SCHEDULE	CONDITIONS VARYING	
Lateral-Directional Effects of a B3 Booster on (01)T3B3 with Beta at Alpha = 0	D	Ascent Configuration Booster Isolation	II/256-261
Longitudinal Effects of a B3 Booster on (01)T3B3 with Beta at Alpha = 0	E	Ascent Configuration Booster Isolation	II/262-271
B3 Boosters Contribution to Longitudinal Characteristics of (01)T3B3 at Beta = 0	A	Configuration	II/272-321
B3 Boosters Contribution to Lateral-Directional Characteristics of (01)T3B3 at Alpha = 0	C	Configuration	II/322-333
Effect of Beta on Longitudinal Characteristics of 01T3B4	A	Beta	II/334-394
Effect of Beta on Lateral-Directional Characteristics of 01T3B4	B	Beta	II/394-411
Lateral-Directional Characteristics of 01T3B4 with Beta at Alpha = 0 and 6	C	Alpha	II/412-435
Lateral-Directional Characteristics of Configuration (01)T3B4 with Beta at Alpha = 0	C		II/436-439
Aileron Effectiveness of Configuration 01T3B4 at Beta = 0	B	Aileron Deflection	II/440-457
Aileron Effectiveness of Configuration (01)T3B4 at Beta = 0	B	Aileron Deflection	II/458-460
Effects of Alpha on Rudder Effectiveness of Configuration 01T3B4 at Beta = 0	B	Rudder Deflection	II/461-478
Effects of Alpha on Rudder Effectiveness of Configuration (01)T3B4 at Beta = 0	B	Rudder Deflection	II/479-481
Effect of Booster Fin F4 on Longitudinal Characteristics of 01T3B4 at Beta = 0	A	Configuration	II/482-541

TABLE 6. (CONTINUED)

TITLE	PIOTTED COEFFICIENTS SCHEDULE	CONDITIONS VARYING	VOLUME/ PAGE NO.
Effect of Booster Fin $F_4$ on Longitudinal Characteristics of (01)T3B4 at Beta = 0	A	Configuration	II/542-551
Effect of Booster Fin $F_4$ on Longitudinal Characteristics of (01)T3B4 at Beta = 6	A	Configuration	II/552-611
Effect of Booster Fin $F_4$ on Lateral-Directional Characteristics of (01)T3B4 at Beta = 6	B	Configuration	II/612-629
Longitudinal Effects of a B5 Booster on (01V1)T3B5 at Beta = 0	A	Ascent Configuration Booster Isolation	II/630-669
Longitudinal Effects of a B5 Booster on (01V1)T3B5 at Beta = 6	A	Ascent Configuration Booster Isolation	II/670-679
Lateral-Directional Effects of a B5 Booster on (01V1)T3B5 at Beta = 0	B	Ascent Configuration Booster Isolation	II/680-691
Lateral-Directional Effects of a B5 Booster on (01V1)T3B5 at Beta = 6	B	Ascent Configuration Booster Isolation	II/692-694
Lateral-Directional Effects of a B5 Booster on (01V1)T3B5 with Beta at Alpha = 0	D	Ascent Configuration Booster Isolation	II/695-700
Longitudinal Effects of a B5 Booster on (01V1)T3B5 with Beta at Alpha = 0	E	Ascent Configuration Booster Isolation	II/701-710
Effects of Beta on Longitudinal Characteristics of (01)T4B7A1-4	A	Beta	III/1-60
Effects of Beta on Lateral-Directional Characteristics of (01)T4B7A1-4	B	Beta	III/61-78

TABLE 6. (CONTINUED)

TITLE	PLOTTED COEFFICIENTS SCHEDULE	CONDITIONS VARYING	VOLUME/ PAGE NO.
Longitudinal Characteristics of Configuration 01T <sub>4</sub> B7A1-4 at Beta = 0	A	Mach No.	III/79-88
Lateral-Directional Characteristics of Configuration 01T <sub>4</sub> B7A1-4 at Alpha = 0	C	Mach No.	III/89-92
Aileron Effectiveness of Configuration (01)T <sub>4</sub> B7A1-4 at Beta = 0	B	Aileron Deflection	III/93-110
Aileron Effectiveness of Configuration (01)T <sub>4</sub> B7A1-4 at Beta = 6	B	Aileron Deflection	III/111-128
Effects of Beta on Aileron Control of Configuration (01)T <sub>4</sub> B7A1-4 at Alpha = 0	C	Aileron Deflection	III/129-152
Effects of Aileron on Longitudinal Characteristics of Configuration (01)T <sub>4</sub> B7A1-4 at Beta = 6	A	Aileron Deflection	III/153-212
Effects of Alpha on Rudder Control of Configuration (01)T <sub>4</sub> B7A1-4 at Beta = 0	B	Rudder Deflection	III/213-230
Rudder Effectiveness of Configuration (01)T <sub>4</sub> B7A1-4 at Alpha = 0	C	Rudder Deflection	III/231-254
Effects of Beta on Lateral-Directional Characteristics of (01)T <sub>4</sub> B7A1-4 with Rudder = 10	B	Beta	III/255-272
Effects of Alpha on Longitudinal Characteristics of (01)T <sub>4</sub> B7A1-4 at Beta = 0	A	Configuration	III/273-302
Effects of Alpha on Lateral-Directional Characteristics of (01)T <sub>4</sub> B7A1-4 at Alpha = 0	C	Configuration	III/303-314
Effects of Fln Fl on Longitudinal Characteristics of Configuration 01T <sub>4</sub> B7A1-4 at Beta = 0	A	Configuration	III/315-334

TABLE 6. (CONTINUED)

TITLE	PICTURED COEFFICIENTS SCHEDULE	CONDITIONS VARYING	VOLUME/ PAGE NO.
Effects of Fin F1 on Lateral-Directional Characteristics on Configuration 01T4B7A1-4 at Alpha = 0	C	Configuration	III/335-342
Effects of Fin F1 on Longitudinal Characteristics of Configuration T4B7A1-4 at Beta = 0	A	Configuration	III/343-402
Effects of Fin F1 on Lateral-Directional Characteristics on Configuration T4B7A1-4 at Alpha = 0	C	Configuration	III/403-426
Effects of B7A1-4 on Longitudinal Characteristics of Configuration (01)T4B7A1-4 at Beta = 0	A	Configuration	III/427-486
Effects of B7A1-4 on Lateral-Directional Characteristics of Configuration (01)T4B7A1-1 at Alpha = 0	C	Configuration	III/487-510
Comparison of the Longitudinal Characteristics of (01)T4B7A1-4 and (01)T4B7A1-5 at Beta = 0	A	Configuration	III/511-570
Comparison of the Lateral-Directional Characteristics of (01)T4B7A1-4 and (01)T4B7A1-5 at Beta = 6	B	Configuration	III/571-588
Comparison of the Lateral-Directional Characteristics of (01)T4B7A1-4 and (01)T4B7A1-5 at Alpha = 0	C	Configuration	III/589-612
Effects of Beta on Longitudinal Characteristics of (01)T4B7A1-5	A	Beta	III/613-672
Effects of Beta on Lateral-Directional Characteristics of (01)T4B7A1-5	B	Beta	III/673-690
Longitudinal Effect of Exhaust Plumes on Configuration 01T1B1 at Beta = 0	A	Plume	IV/ 1-20
Longitudinal Effect of Exhaust Plumes on Configuration 01T1B1 at Beta = 6	A	Plume	IV/21-30

TABLE 6. (CONTINUED)

TITLE	PIOTTED COEFFICIENTS SCHEDULE	CONDITIONS VARYING	VOLUME/ PAGE NO.
Lateral-Directional Effect of Exhaust Plumes on Configuration O1T1B1 at Beta = 6	B	Plume	IV/31-33
Longitudinal Effect of M = 1.5 Exhaust Plumes on Configuration O1T1B1 at Beta = 0	A	Plume	IV/34-53
Lateral-Directional Effect of M=1.5 Exhaust Plumes on Configuration O1T1B1 at Alpha = 0	C	Plume	IV/54-61
Effect of Exhaust Plumes on Aileron Effectiveness of Configuration O1T1B1 on Beta = 0	B	Plume	IV/62-64
Effects of M=1.5 Exhaust Plumes on Aileron Effectiveness of Configuration O1T1B1 at Beta = 0	B	Plume and Aileron Deflection	IV/65-70
Variation of Aileron Control at Alpha = 0 with Beta and M=1.5 Exhaust Plumes O1T1B1	C	Plume and Aileron Deflection	IV/71-78
Variation of Rudder Control at Beta = 0 with Alpha and M=1.5 Exhaust Plumes O1T1B1	B	Plume and Rudder Deflection	IV/79-84
Effects of M=1.5 Exhaust Plumes on Rudder Effectiveness with Beta at Alpha = 0 of O1T1B1	C	Plume and Rudder Deflection	IV/85-92
Lateral-Directional Characteristics of Configuration O1T1B1 + Plume(2.5) with Deflected Rudder at Beta = 0	B		IV/93-95
Longitudinal Characteristics of Configuration O1T1B1+Plume(2.5) with Deflected Rudder at Beta = 0	A		IV/96-105
Longitudinal Effect of Mach No.=1.5 Exhaust Plumes on Configuration O1T3B6 at Beta = 0	A	Plume	IV/106-115

TABLE 6. (CONTINUED)

TITLE	PLOTTED COEFFICIENTS SCHEDULE	CONDITIONS VARYING	VOLUME/ PAGE NO.
Longitudinal Effect of Mach No=2.2 Exhaust Plumes on Configuration O1T3B6 at Beta = 0	A	Plume	IV/116-125
Lateral-Directional Effect of Mach No.=1.5 Exhaust Plumes on Configuration O1T3B6 at Alpha = 0	C	Plume	IV/126-129
Lateral-Directional Effect of Mach No=2.2 Exhaust Plumes on Configuration O1T3B6 at Alpha = 0	C	Plume	IV/130-133
Effects of M=1.5 Exhaust Plumes on Aileron Effectiveness of Configuration O1T3B6 at Beta = 0	B	Plume and Aileron Deflection	IV/134-136
Effects of M=2.2 Exhaust Plumes on Aileron Effectiveness of Configuration O1T3B6 at Beta = 0	B	Plume and Aileron Deflection	IV/137-139
Variation of Aileron Control at Alpha = 0 with Beta and M=1.5 Exhaust Plumes O1T3B6	C	Plume and Aileron Deflection	IV/140-143
Variation of Aileron Control at Alpha = 0 with Beta and M=2.2 Exhaust Plumes O1T3B6	C	Plume and Aileron Deflection	IV/144-147
Variation of Rudder Control at Beta = 0 with Alpha and M=1.5 Exhaust Plumes O1T3B6	B	Plume and Rudder Deflection	IV/148-150
Effects of M=1.5 Exhaust Plumes on Rudder Effectiveness with Beta at Alpha = 0 of O1T3B6	C	Plume and Rudder Deflection	IV/151-154
Variation of Rudder Control at Beta = 0 with Alpha and M=2.2 Exhaust Plumes O1T3B6	B	Plume and Rudder Deflection	IV/155-157
Effects of M=2.2 Exhaust Plumes on Rudder Effectiveness with Beta at Alpha = 0 of O1T3B6	C	Plume and Rudder Deflection	IV/158-161
Longitudinal Effect of M=1.5 Exhaust Plumes on Configuration O1T4B7A1-4 at Beta = 0	A	Plume	IV/162-171



TABLE 6. (CONTINUED)

TITLE	PLOTTED COEFFICIENTS SCHEDULE	CONDITIONS VARYING	VOLUME/ PAGE NO.
Longitudinal Effect of $M=2.2$ Exhaust Plumes on Configuration 01T4B7A1-4 at Beta = 0	A	Plume	IV/172-181
Lateral-Directional Effects of $M=1.5$ Exhaust Plumes on Configuration 01T4B7A1-4 at Alpha = 0	C	Plume	IV/182-185
Lateral-Directional Effects of $M=2.2$ Exhaust Plumes on Configuration 01T4B7A1-4 at Alpha = 0	C	Plume	IV/186-189
Aileron Effectiveness of Configuration 01T4B7A1-4+Plume(1.5) at Beta = 0	B	Aileron Deflection	IV/190-192
Aileron Effectiveness of Configuration 01T4B7A1-4+Plume(2.2) at Beta = 0	B	Aileron Deflection	IV/193-195
Effects of Beta on Aileron Control of Configuration 01T4B7A1-4+Plume(1.5) at Alpha = 0	C	Aileron Deflection	IV/196-199
Effects of Beta on Aileron Control of Configuration 01T4B7A1-4+Plume(2.2) at Alpha = 0	C	Aileron Deflection	IV/200-203
Rudder Effectiveness of Configuration 01T4B7A1-4+Plume(1.5) at Alpha = 0	C	Rudder Deflection	IV/204-207
Rudder Effectiveness of Configuration 01T4B7A1-4+Plume(2.2) at Alpha = 0	C	Rudder Deflection	IV/208-211
Effects of Alpha on Rudder Control of Configuration 01T4B7A1-4+Plume(1.5) at Beta = 0	B	Rudder Deflection	IV/212-214
Effects of Alpha on Rudder Control of Configuration 01T4B7A1-4+Plume(2.2) at Beta = 0	B	Rudder Deflection	IV/215-217

TABLE 6. (CONTINUED)

TITLE	PLOTTED		CONDITIONS VARYING	VOLUME/ PAGE NO.
	COEFFICIENTS	SCHEDULE		
Longitudinal Effects of M=1.5 Exhaust Plumes on Configuration O1V1T <sup>4</sup> B7A1-4 at Beta = 0	A	Plume		IV/218-227
Lateral-Directional Effects of M=1.5 Exhaust Plumes on Configuration O1V1T <sup>4</sup> B7A1-4 at Alpha = 0	C	Plume		IV/228-231
Longitudinal Effects of M=2.2 Exhaust Plumes on Configuration O1V1T <sup>4</sup> B7A1-4 at Beta = 0	A	Plume		IV/232-241
Lateral-Directional Effects of M=2.2 Exhaust Plumes on Configuration O1V1T <sup>4</sup> B7A1-4 at Alpha = 0	C	Plume		IV/242-245
Effects of M=1.5 Exhaust Plumes on Rudder Effectiveness with and without Rudder Flare	C	Plume, Rudder Deflection, Rudder Flare		IV/246-253
Effects of M=2.2 Exhaust Plumes on Rudder Effectiveness with and without Rudder Flare	C	Plume, Rudder Deflection, Rudder Flare		IV/254-261
Variation of Rudder Control with and Without Rudder Flare and M=1.5 Exhaust Plume	A	Plume, Rudder Deflection, Rudder Flare		IV/262-281
Variation of Rudder Control with and without Rudder Flare and M=2.2 Exhaust Plume	A	Plume, Rudder Deflection, Rudder Flare		IV/282-301
Effects of Beta = 6 on Longitudinal Characteristics of Configuration (01)T <sup>1</sup>	A	Beta		IV/302-321
Effects of Beta = 6 on Lateral-Directional Characteristics of Configuration (01)T <sup>1</sup>	B	Beta		IV/322-327
Lateral-Directional Characteristics of V1 and V2 on (01)T <sup>1</sup> at Alpha = 0	D	Configuration		IV/328-336
Longitudinal Characteristics Comparison of V1 and V2 on (01)T <sup>1</sup> at Alpha = 0	E	Configuration		IV/337-351

TABLE 6. (CONTINUED)

TITLE	COEFFICIENTS PLOTTED SCHEDULE	CONDITIONS VARYING	VOLUME/ PAGE NO.
Aileron Effectiveness of Configuration (01V1)TL at Beta = 0	B	Aileron Deflection	IV/352-360
Effects of Beta on Aileron Effectiveness of Configuration (01V1)TL at Alpha = 0	D	Aileron Deflection	IV/361-369
Longitudinal Characteristics of (01V1)TL with Ailerons=20 at Beta = 0	A	Mach No.	IV/370-379
Lateral-Directional Characteristics of (01V1)TL with Ailerons = 20 at Beta = 0	B	Mach No.	IV/380-382
Lateral-Directional Characteristics of (01V1)TL with Ailerons = 20 at Alpha = 0	D	Mach No.	IV/383-385
Longitudinal Characteristics of (01V1)TL with Ailerons=20 at Alpha = 0	E	Mach No.	IV/386-390
Rudder Effectiveness of Configuration (01V1)TL at Alpha = 0	C	Rudder Deflection	IV/391-402
Effects of Alpha on Rudder Effectiveness of Configuration (01V1)TL at Beta = 0	B	Rudder Deflection	IV/403-411
Effect of Tank T2 Longitudinal Position on (01)T2 at Beta=0	A	Configuration	IV/412-431
Effect of Tank T2 Longitudinal Position on (01)T2 with Beta at Alpha = 0	C	Configuration	IV/432-439
Longitudinal Characteristics of Various Boosters on Configuration (01)T2 at Beta = 6	A	Configuration	IV/440-449
Lateral-Directional Characteristics of Various Boosters on Configuration (01)T2 at Beta = 6	B	Configuration	IV/450-452

TABLE 6. (CONTINUED)

TITLE	PLOTTED COEFFICIENTS		CONDITIONS VARYING	VOLUME/ PAGE NO.
	SCHEDULE			
Effects of Beta = 6 on Longitudinal Characteristics of Configuration (01)T <sub>3</sub>	A	Beta		IV/453-472
Effects of Beta = 6 on Lateral-Directional Characteristics of Configuration (01)T <sub>3</sub>	B	Beta		IV/473-478
Effects of Beta on Longitudinal Characteristics of (01)T <sub>4</sub>	A	Beta		IV/479-488
Effects of Beta on Lateral-Directional Characteristics of (01)T <sub>4</sub>	B	Beta		IV/489-491
Longitudinal Characteristics of Configuration T1B5 at Beta = 0	A	Mach No.		IV/492-501
Lateral-Directional Characteristics of Configuration T1B5 at Alpha = 0	C	Mach No.		IV/502-505
Longitudinal Characteristics of Configuration T1B6 at Beta = 0	A	Mach No.		IV/506-515
Lateral-Directional Characteristics of Configuration T1B6 at Alpha = 0	C	Mach No.		IV/516-519
Longitudinal Characteristics of Configuration T3B2 at Beta = 0	A	Mach No.		IV/520-529
Lateral-Directional Characteristics of Configuration T3B2 at Alpha = 0	C	Mach No.		IV/530-533
Longitudinal Characteristics of Configuration T3B5 at Beta = 0	A	Mach No.		IV/534-543
Lateral-Directional Characteristics of Configuration T3B5 at Alpha = 0	C	Mach No.		IV/544-547

TABLE 6. (CONTINUED)

TITLE	PILOTTED COEFFICIENTS SCHEDULE	CONDITIONS VARYING	VOLUME/ PAGE NO.
Effects of Beta on Longitudinal Characteristics of 01	A	Beta	V/1-60
Effects of Beta on Lateral-Directional Characteristics of 01	B	Beta	V/61-78
Effects of Alpha on Rudder Effectiveness of Configuration 01 at Beta = 0	B	Rudder Deflection	V/79-90
Effects of Alpha on Rudder Effectiveness of Configuration 01V1	B	Rudder Deflection	V/91-93
Effects of Beta on Longitudinal Characteristics of 01V1	A	Beta	V/94-123
Effects of Beta on Lateral-Directional Characteristics of 01V1	B	Beta	V/124-132
Effects of Beta on Longitudinal Characteristics V Off	A	Beta	V/133-162
Effects of Beta on Lateral-Directional Characteristics of 01 V Off	B	Beta	V/163-171
Effects of Beta on Lateral-Directional Characteristics of 01C1	B	Beta	V/172-186
Effects of Beta on Lateral-Directional Characteristics of 01C1	B	Beta	V/187-201
Longitudinal Characteristics of Various Tanks at Beta = 0	A	Configuration	V/202-261
Longitudinal Characteristics of Various Boosters Alone at Beta = 0 and Nominal MRC	A	Configuration	V/262-301

TABLE 6. (CONTINUED)

TITLE	PLOTTED COEFFICIENTS SCHEDULE	CONDITIONS VARYING	VOLUME/ PAGE NO.
Longitudinal Characteristics of Various Boosters Alone at Beta = 0 and Tank 1 MRC	A	Configuration	V/302-341
Longitudinal Characteristics of Various Boosters Alone at Beta = 0 and Tank 3 MRC	A	Configuration	V/342-381
Lateral-Directional Characteristics of Various Boosters Alone at Beta = 0 and Tank 1 MRC	B	Configuration	V/382-393
Lateral-Directional Characteristics of Various Boosters Alone at Beta = 0 and Tank 3 MRC	B	Configuration	V/394-405
Lateral-Directional Characteristics of Various Boosters Alone at Alpha = 0 and Nominal MRC	C	Configuration	V/406-421
Lateral-Directional Characteristics of Various Boosters Alone at Alpha = 0 and Tank 1 MRC	C	Configuration	V/422-437
Lateral-Directional Characteristics of Various Boosters Alone at Alpha = 0 and Tank 3 MRC	C	Configuration	V/438-453
Comparison of Longitudinal Characteristics of Booster B1 with Larger Aft Flares S	A	Configuration	V/454-523
Comparison of Longitudinal Characteristics of Booster B1 with Flaps D2 at Various Deflection	A	Flap Deflection	V/524-583
Comparison of Longitudinal Characteristics of Booster B1 with Various Flaps	A	Flap Deflection	V/584-643

TABLE 6. (CONCLUDED)

PLOTTED COEFFICIENTS SCHEDULE:

(A) - CN, CA, CAF, CIM, CL & CDF vs. ALPHA

CN & CL vs. CIM, CL & CLSQR vs. CDF

(B) - CY, CYN & CBL vs. ALPHA

(C) - CY, CYN, CBL & CAF vs. BETA

(D) - CY, CYN, CBL vs. BETA

(E) - CN, CAF, CIM, CL & CDF vs. BETA

- Notes:
1. Positive directions of force coefficients moment coefficients, and angles are indicated by arrows.
  2. For clarity, origins of wind and stability axes have been displaced from the center of gravity.

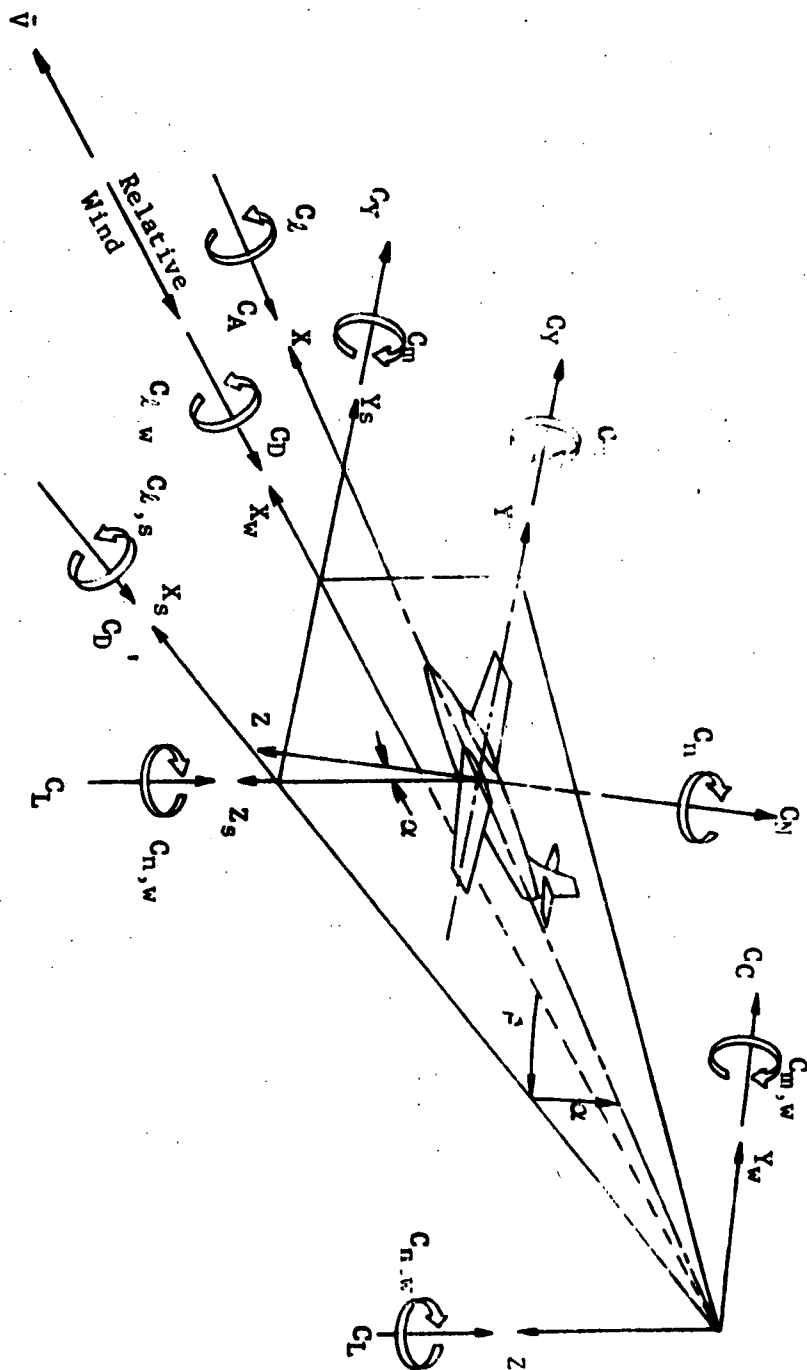


Figure 1. Axis systems, showing direction and sense of force and moment coefficients, angle of attack, and sideslip angle



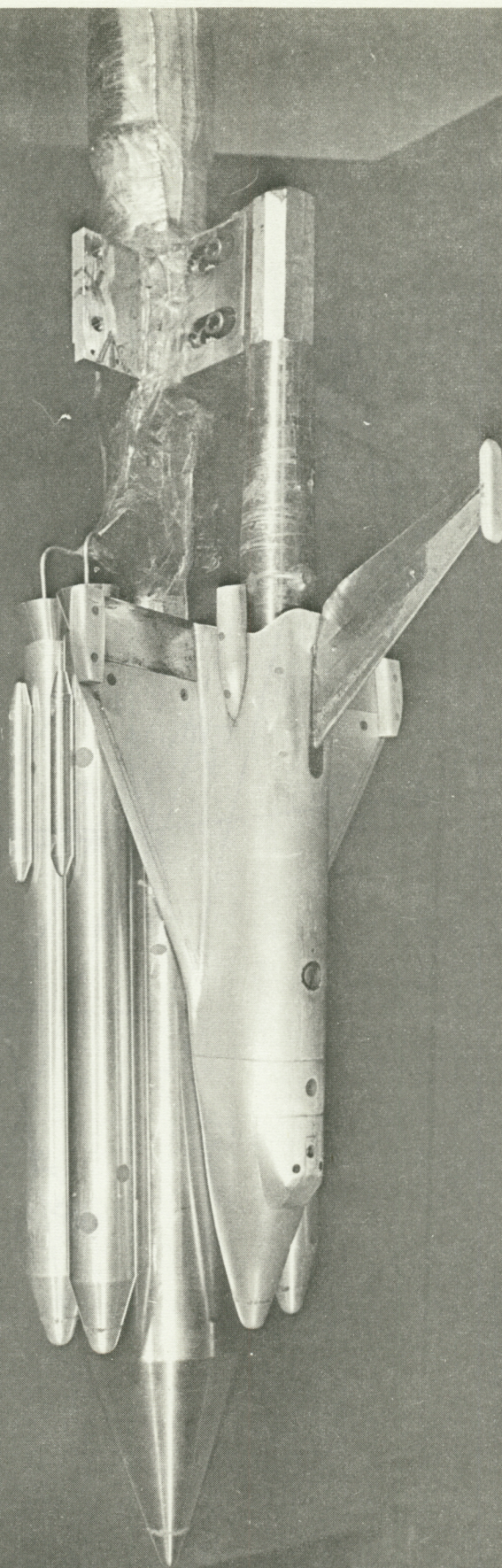
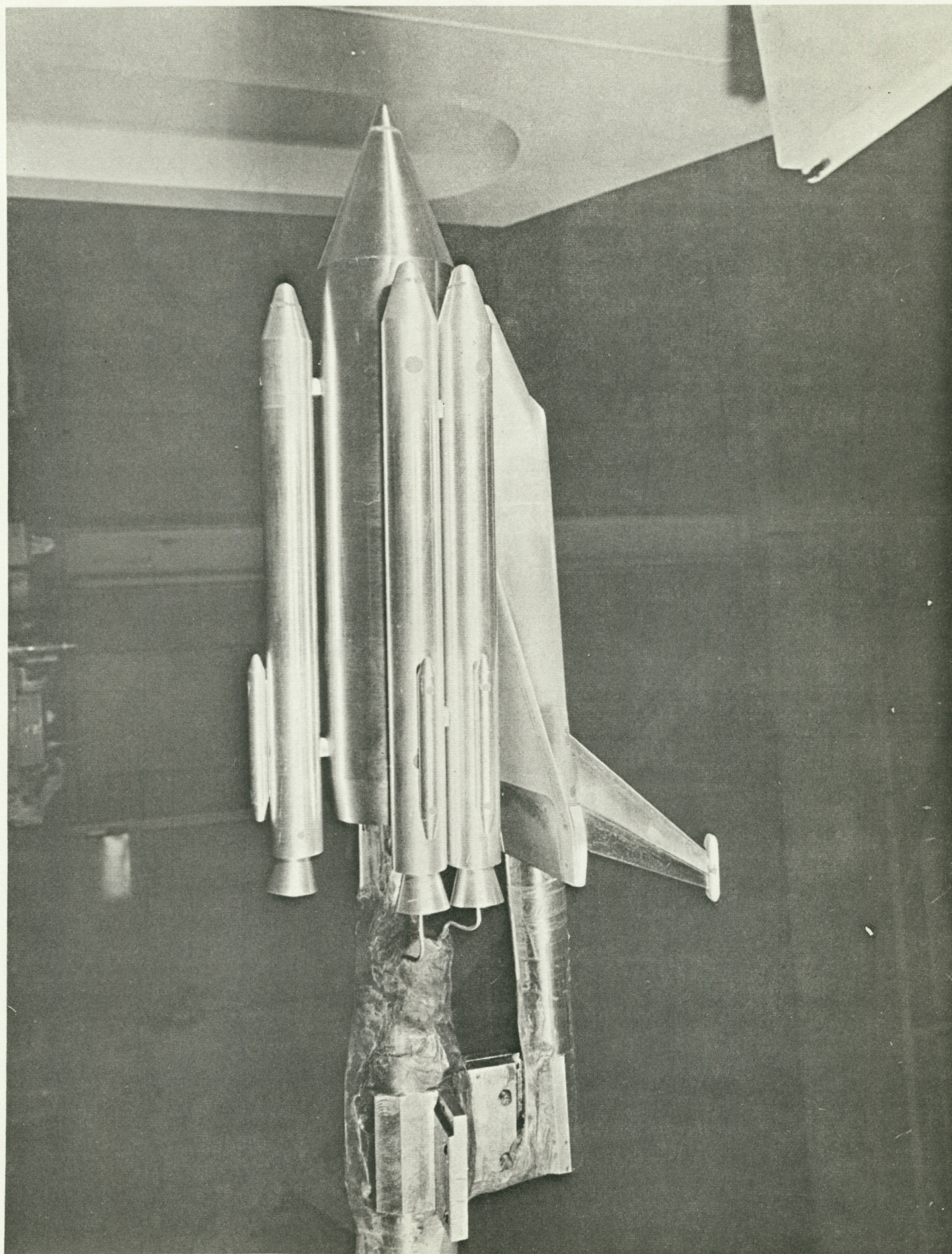


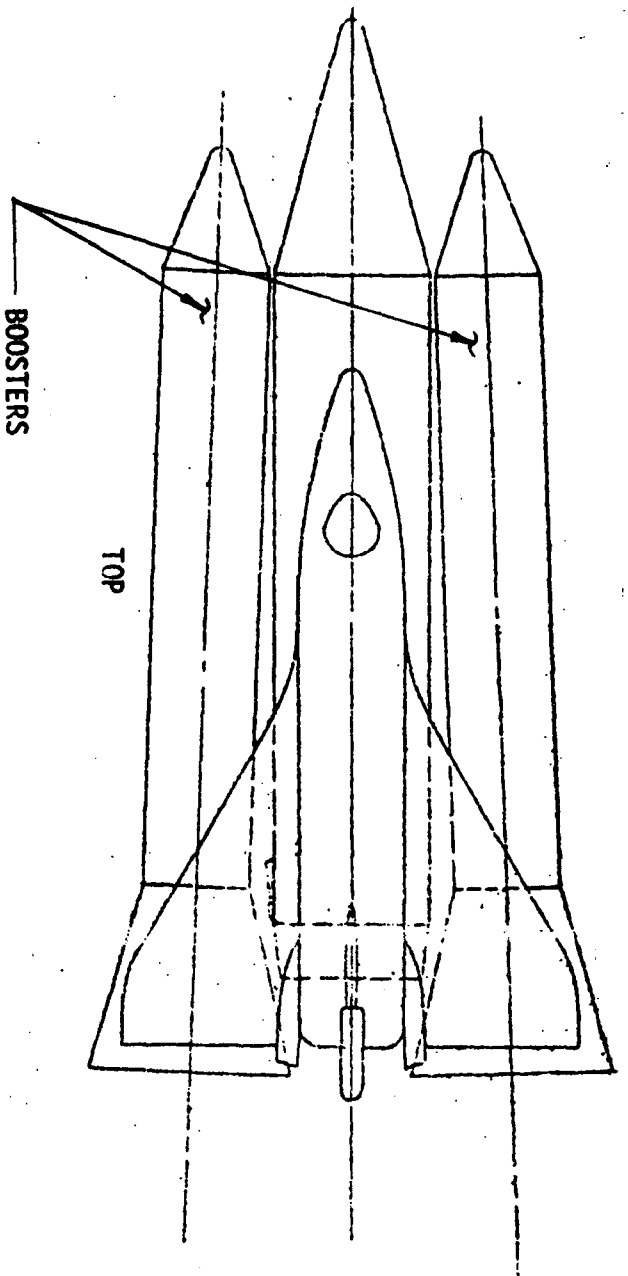
Figure 2. Photograph of Configuration (01)F<sup>1</sup><sub>4</sub>B7A1-4



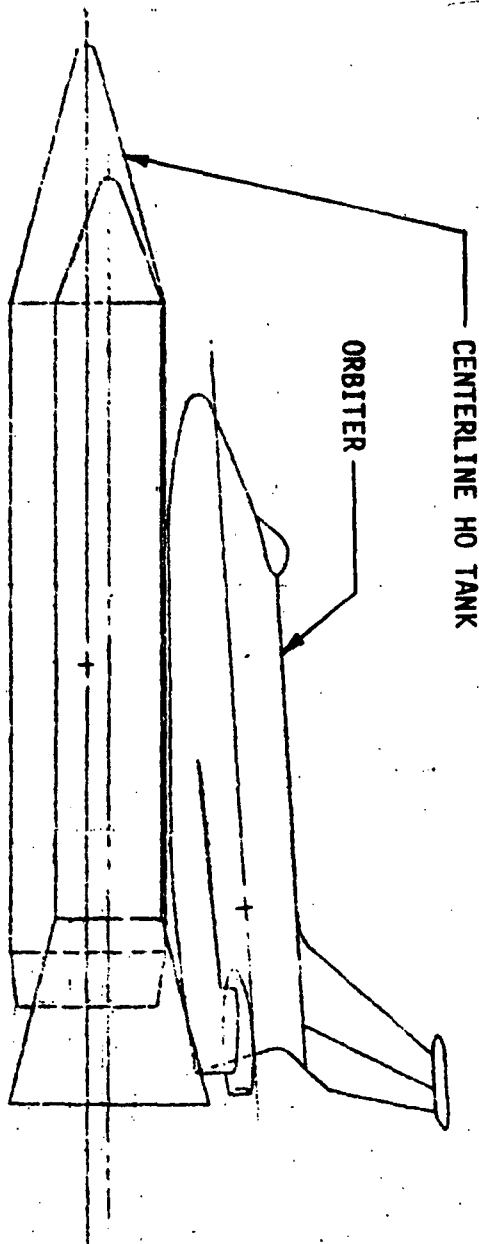
Figure 3. Photograph of Configuration (01) T<sup>4</sup>B/A1-5



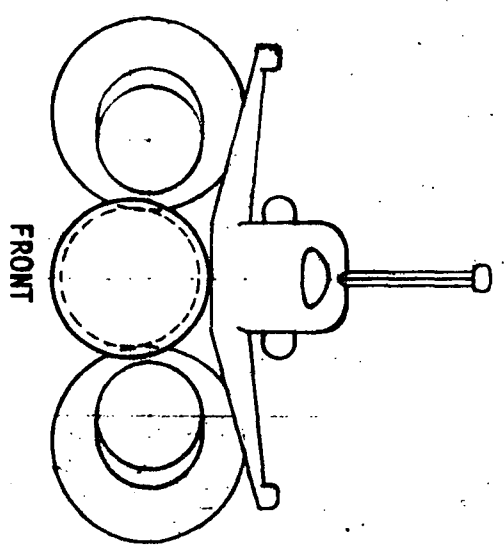




ASCENT CONFIGURATION  
GENERAL ARRANGEMENT  
( $B_1, T_1, O_1$ )



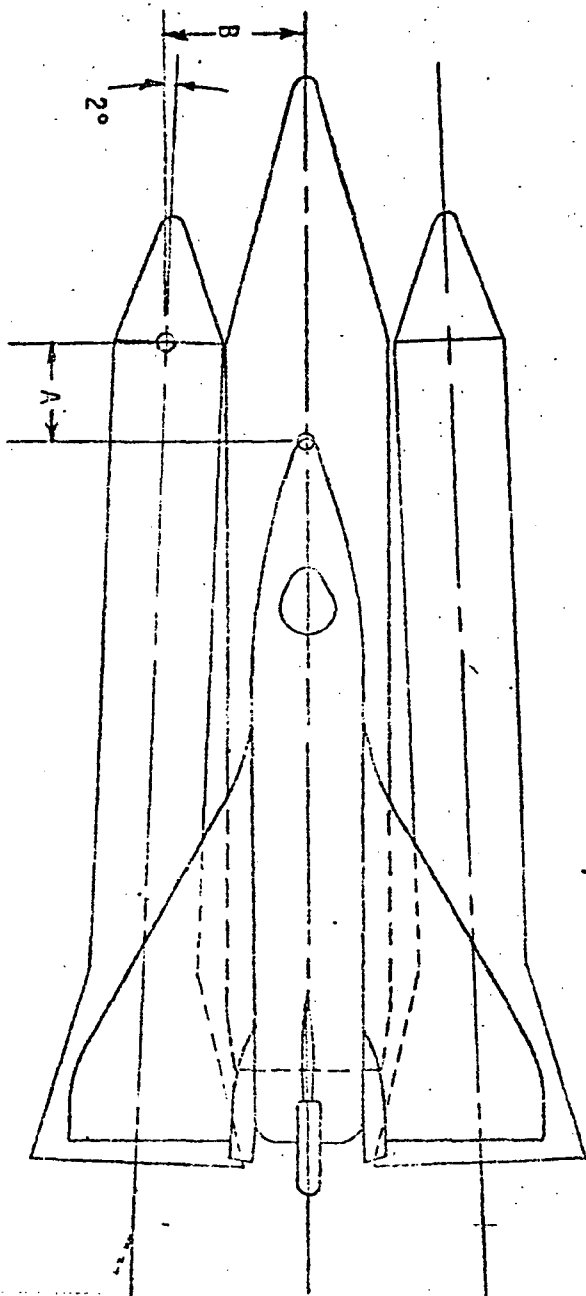
SIDE



FRONT

Figure 4. General Arrangement-Ascent Configuration  $O_1 T_1 B_1$

B<sub>1</sub> OR B<sub>5</sub> BOOSTER LOCATION



DIMENSION	TANK	
	T1 & T2	T3
A	1.080	1.360
B	1.560	1.628
C	1.282	1.340

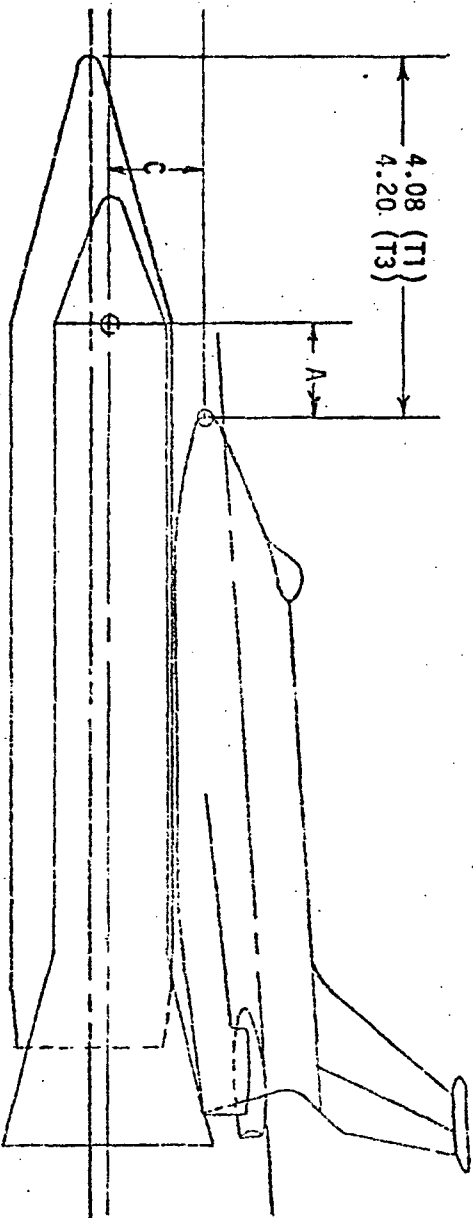
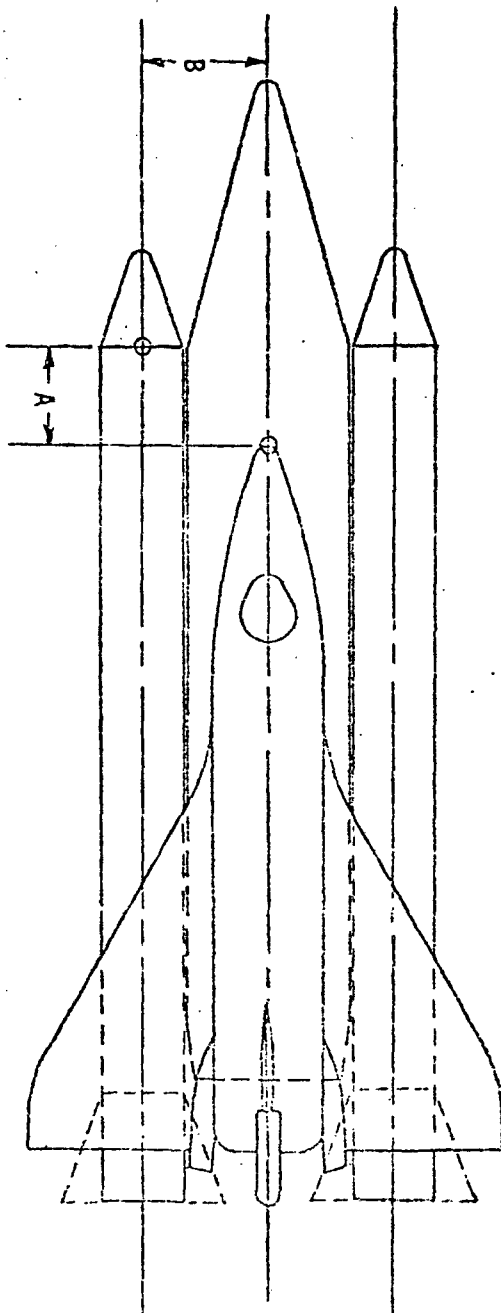


Figure 5. General Arrangement-Ascent Configuration  
With Booster B<sub>1</sub> or B<sub>5</sub>

# $B_2$ AND $B_2S$ BOOSTERS LOCATION



	TANK	
DIMENSION	T1 & T2	T3
A	1.080	-1.522
B	1.420	1.488
C	1.072	1.080

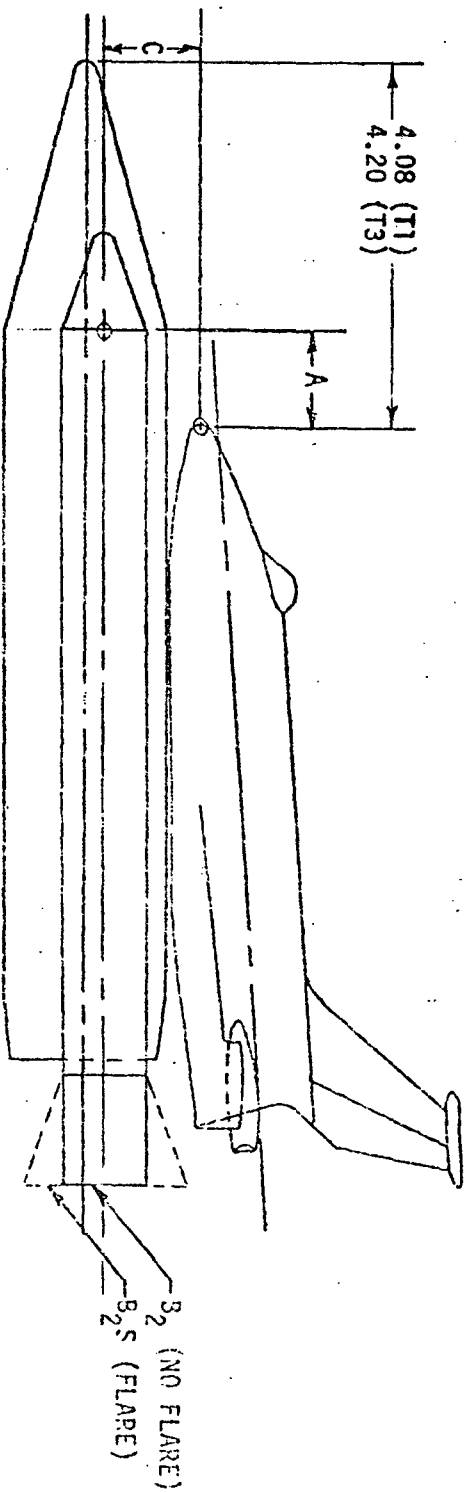
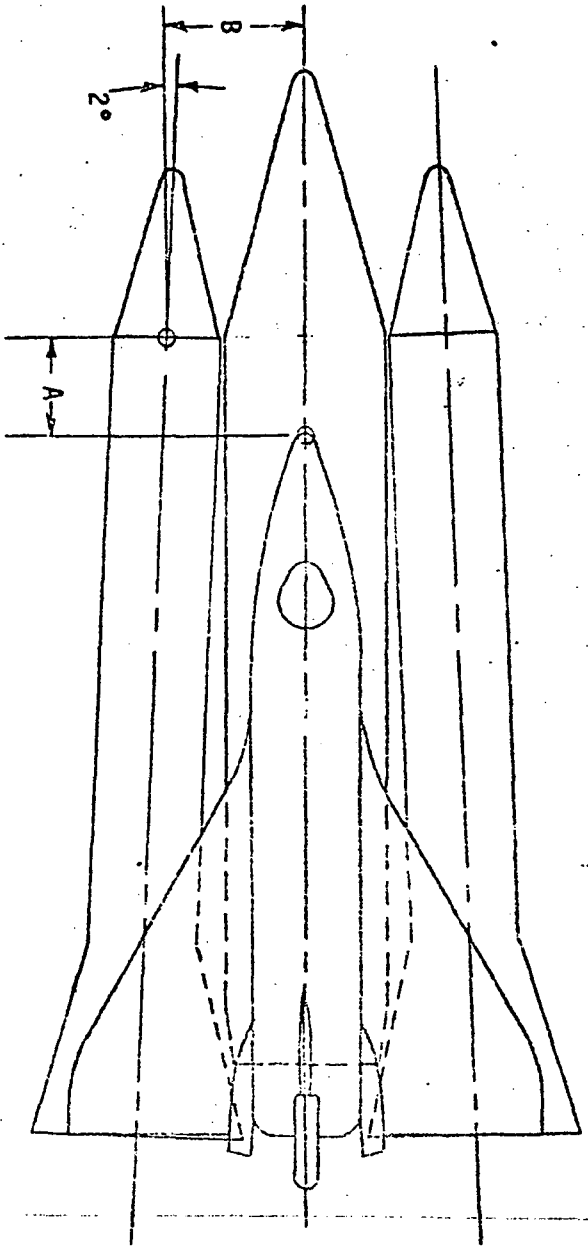


Figure 6. General Arrangement-Ascent Configuration with Booster B2 or B2S

# B<sub>3</sub> BOOSTER LOCATION



DIMENSION	TANK	
	T1 & T2	T3
A	0.682	0.962
B	1.560	1.628
C	1.282	1.340

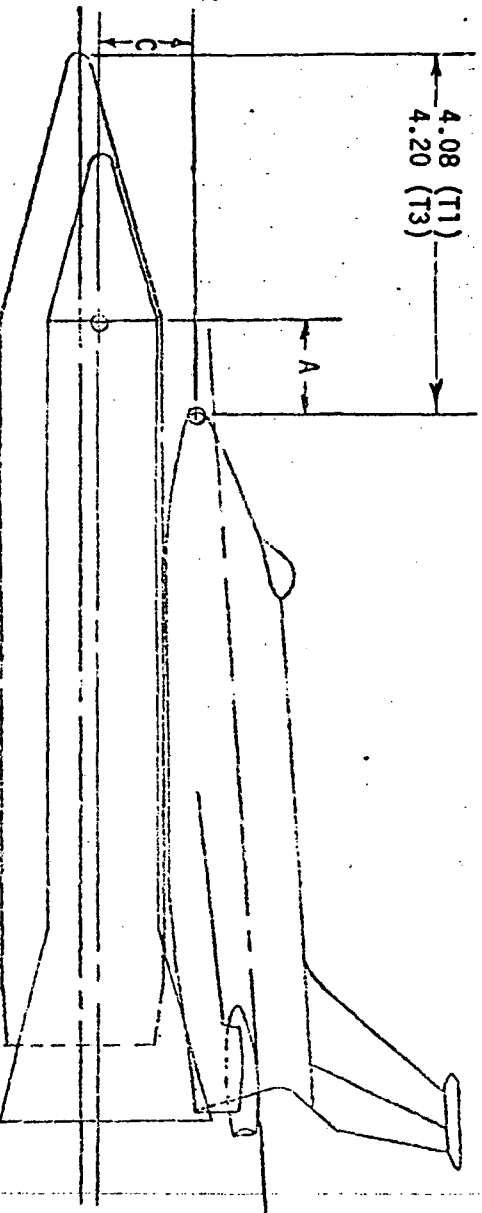
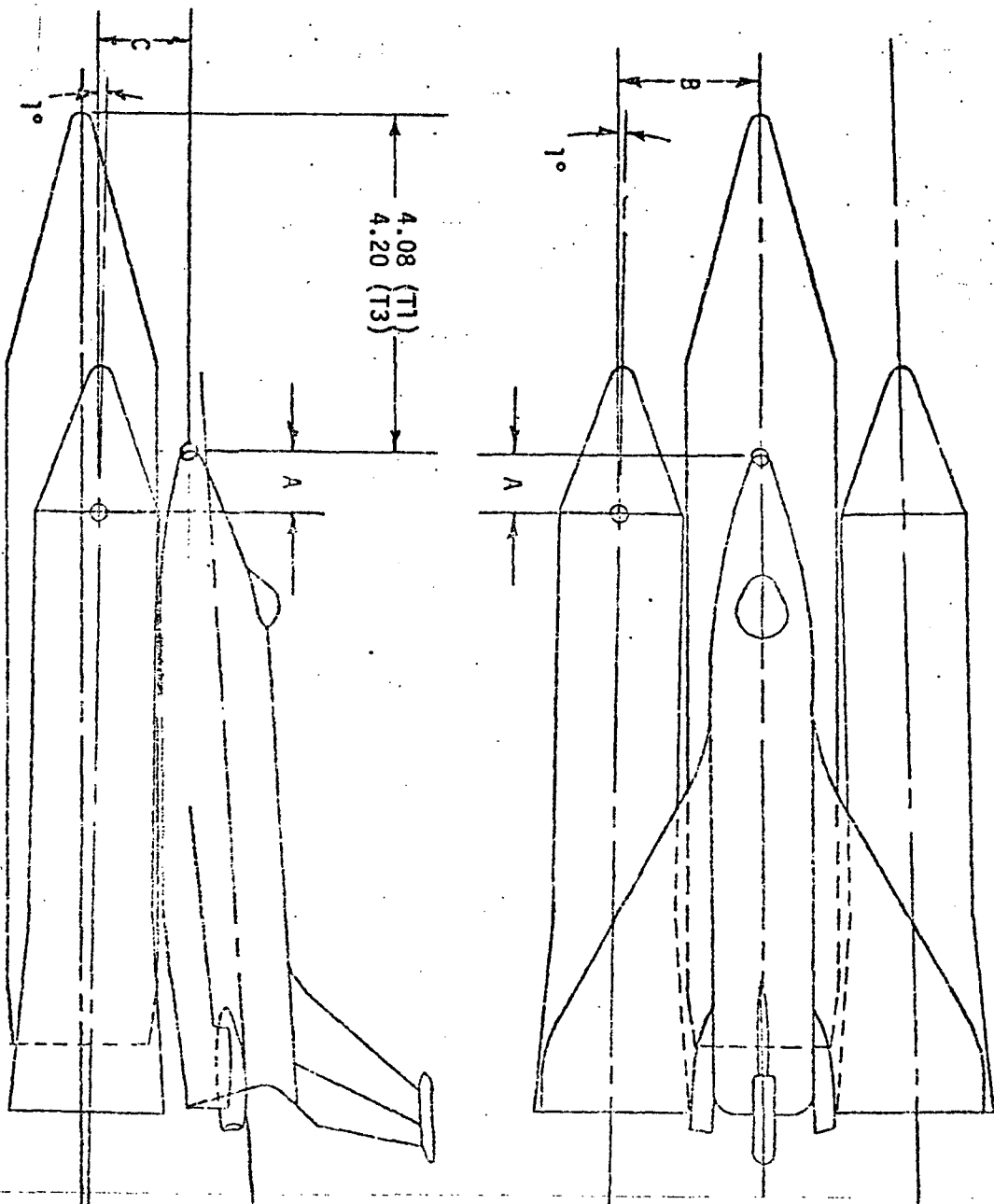


Figure 7. General Arrangement-Ascent Configuration with Booster B<sub>3</sub>

# **B<sub>4</sub> BOOSTER LOCATION**



DIMENSION	TANK	
	T1 & T2	T3
A	0.640	0.757
B	1.685	1.753
C	1.091	1.091

Figure 8. General Arrangement-Ascent Configuration with Booster B<sub>4</sub>

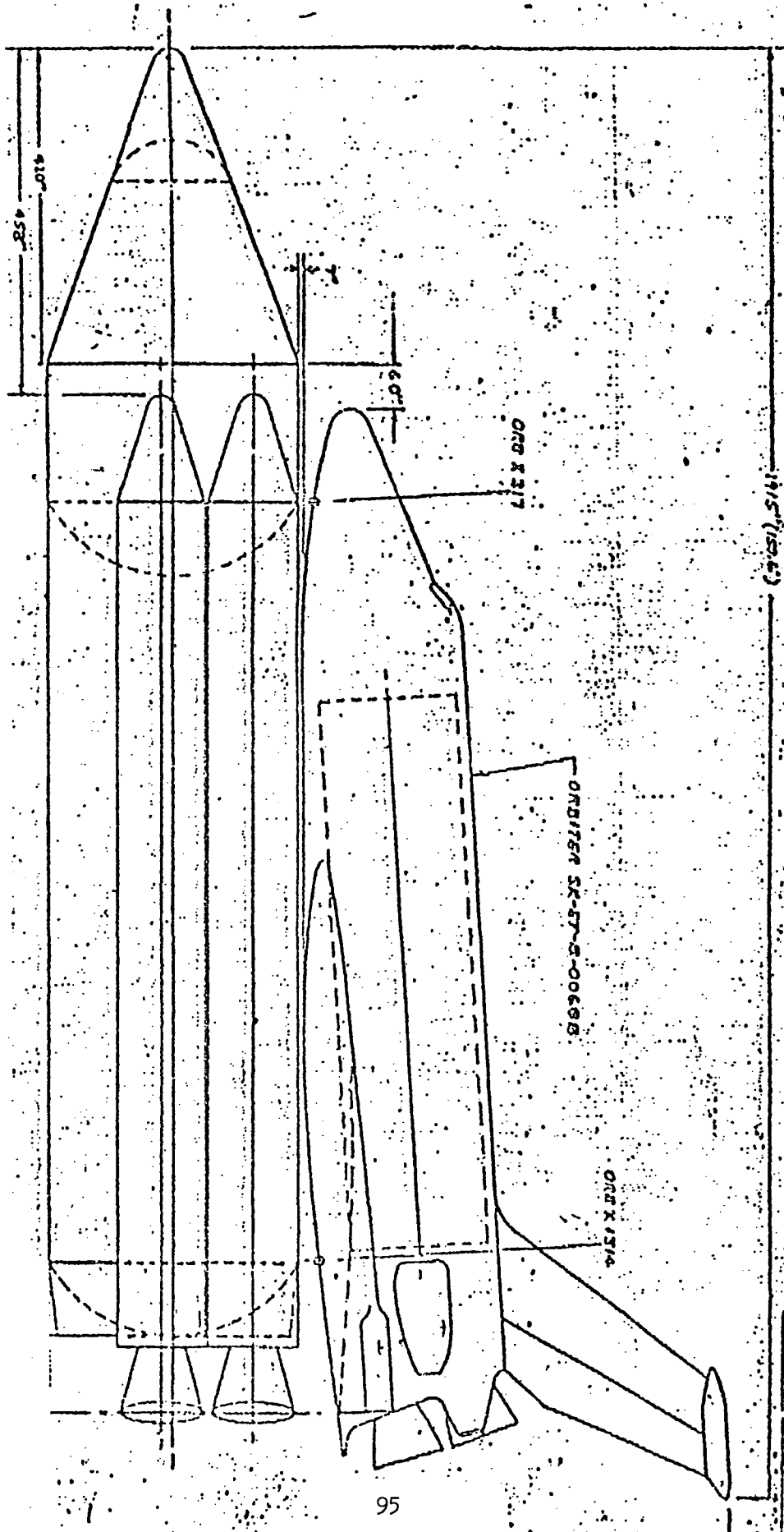


Figure 9. General Arrangement-Ascent Configuration  
OLT4B7-4 (Side View)



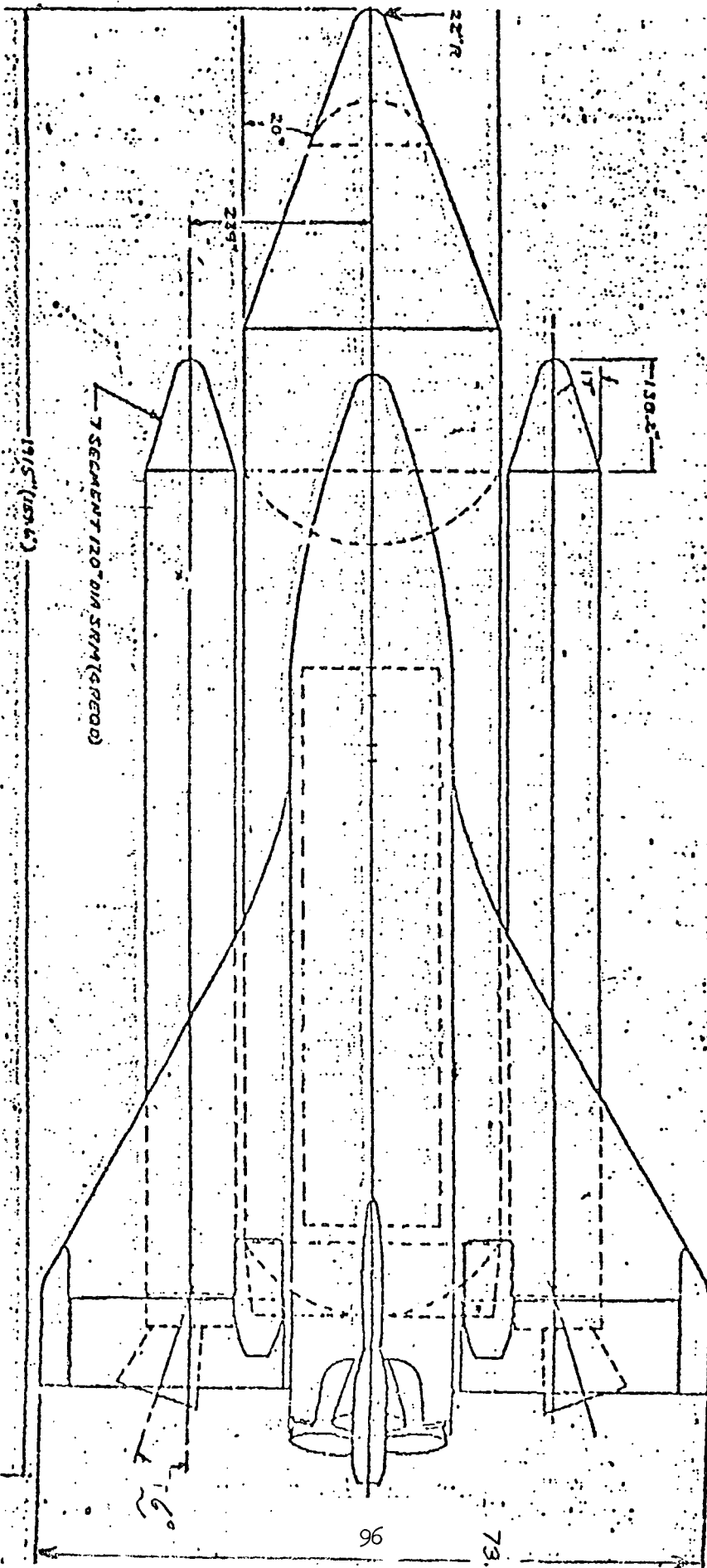
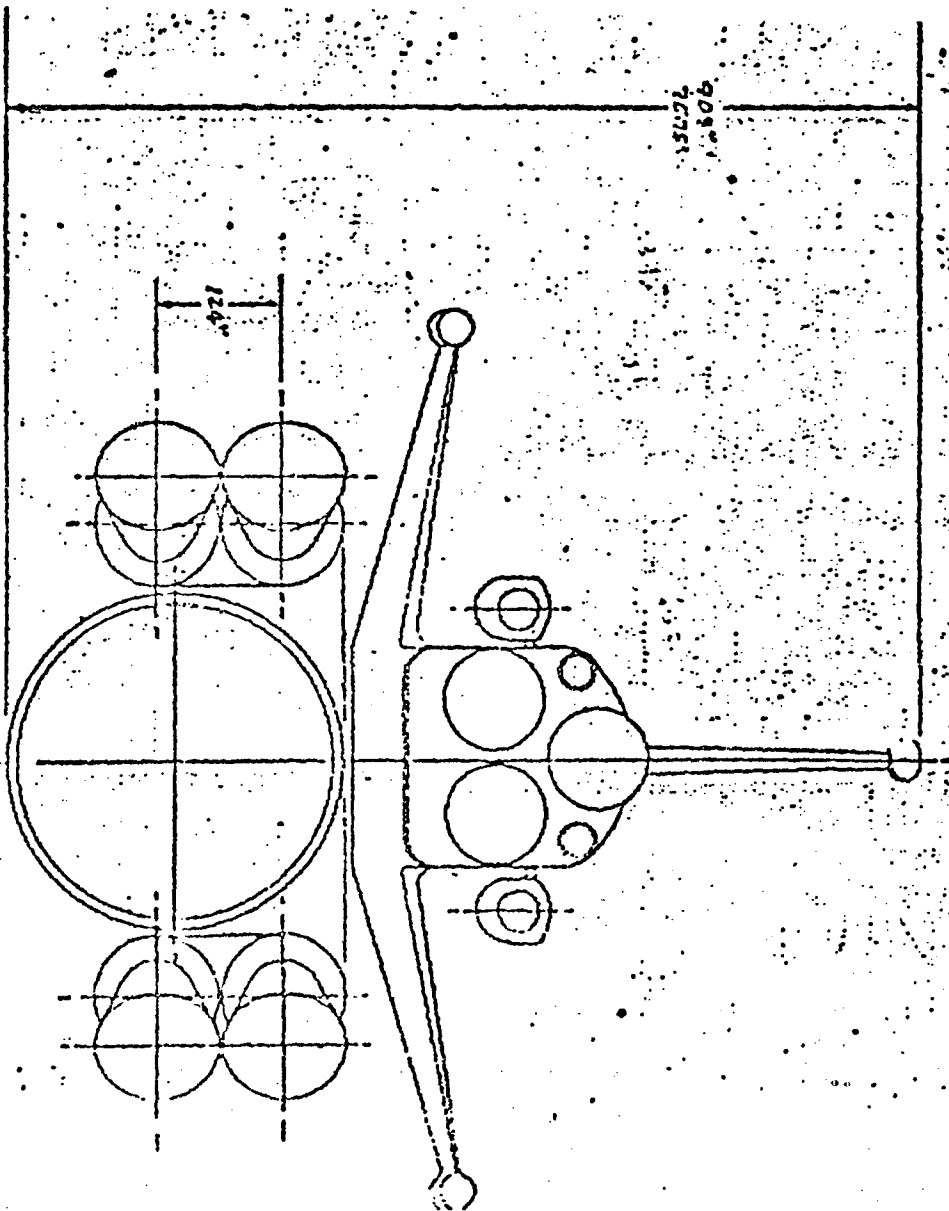


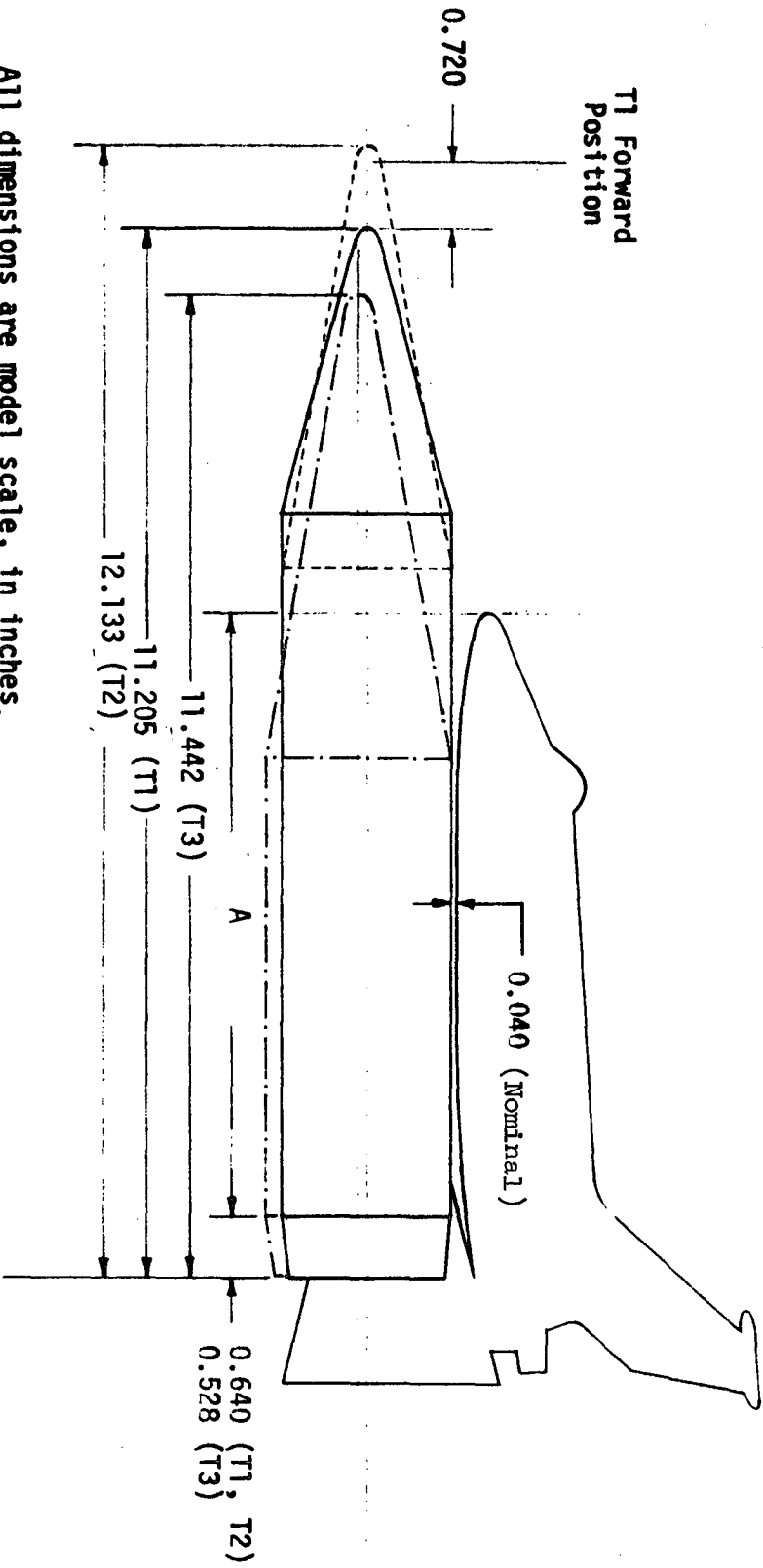
Figure 10. General Arrangement-Ascent Configuration  
OLT<sub>4</sub>B7-4 (Top View)

Figure 11. General Arrangement-Ascent Configuration 01T4B7-4  
(Rear View)



# CENTERLINE HO TANK LOCATIONS

Orbiter Nose  
X (200)  
1.200

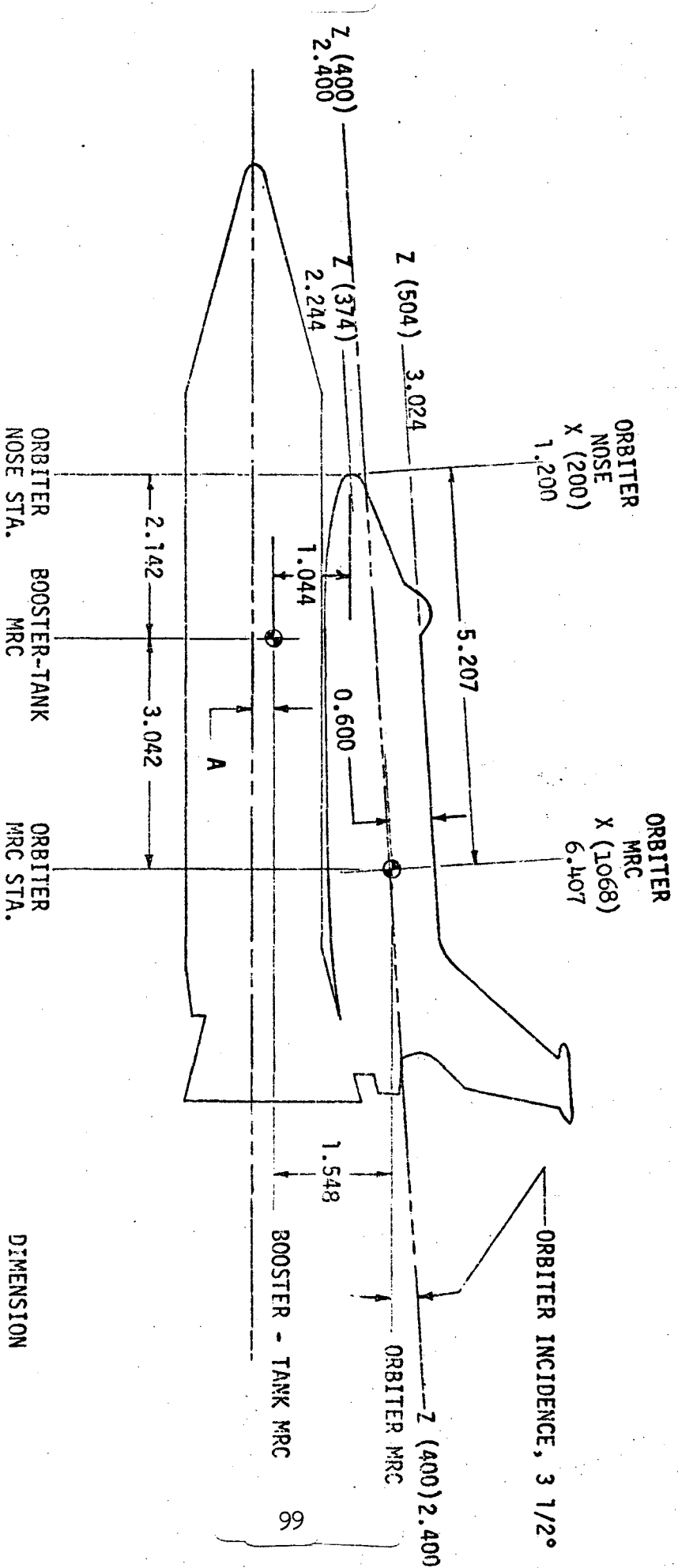


All dimensions are model scale, in inches.  
Orbiter stations are given in both full  
scale and model scale dimensions.

TANK	A
T1	6.485
T2	6.485
T3	6.714

Figure 12. Centerline HO Tank Locations

# MOMENT TRANSFER DIAGRAM ASCENT CONFIGURATION



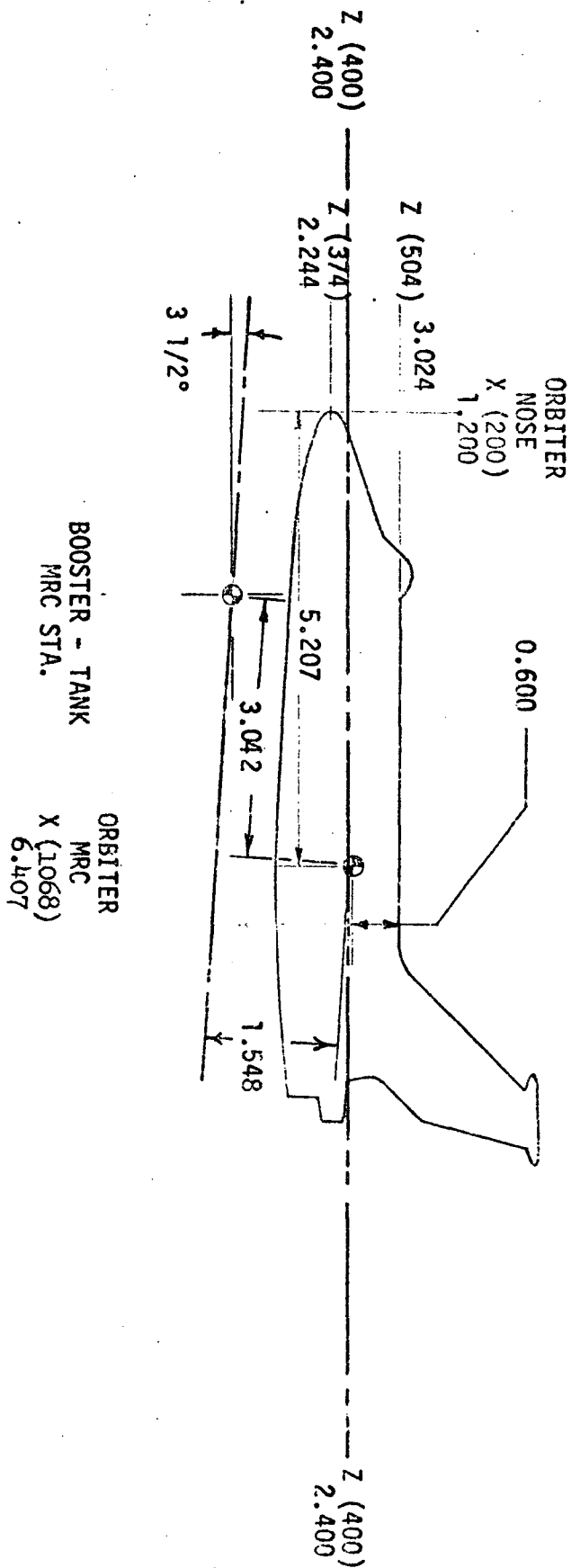
All dimensions are model scale, in inches  
Orbiter stations are given in both full  
scale and model scale dimensions.

TANK	A
T1	0.268
T2	0.288
T3	0.357

DIMENSION

Figure 13. Moment Transfer Diagram for Ascent Configuration

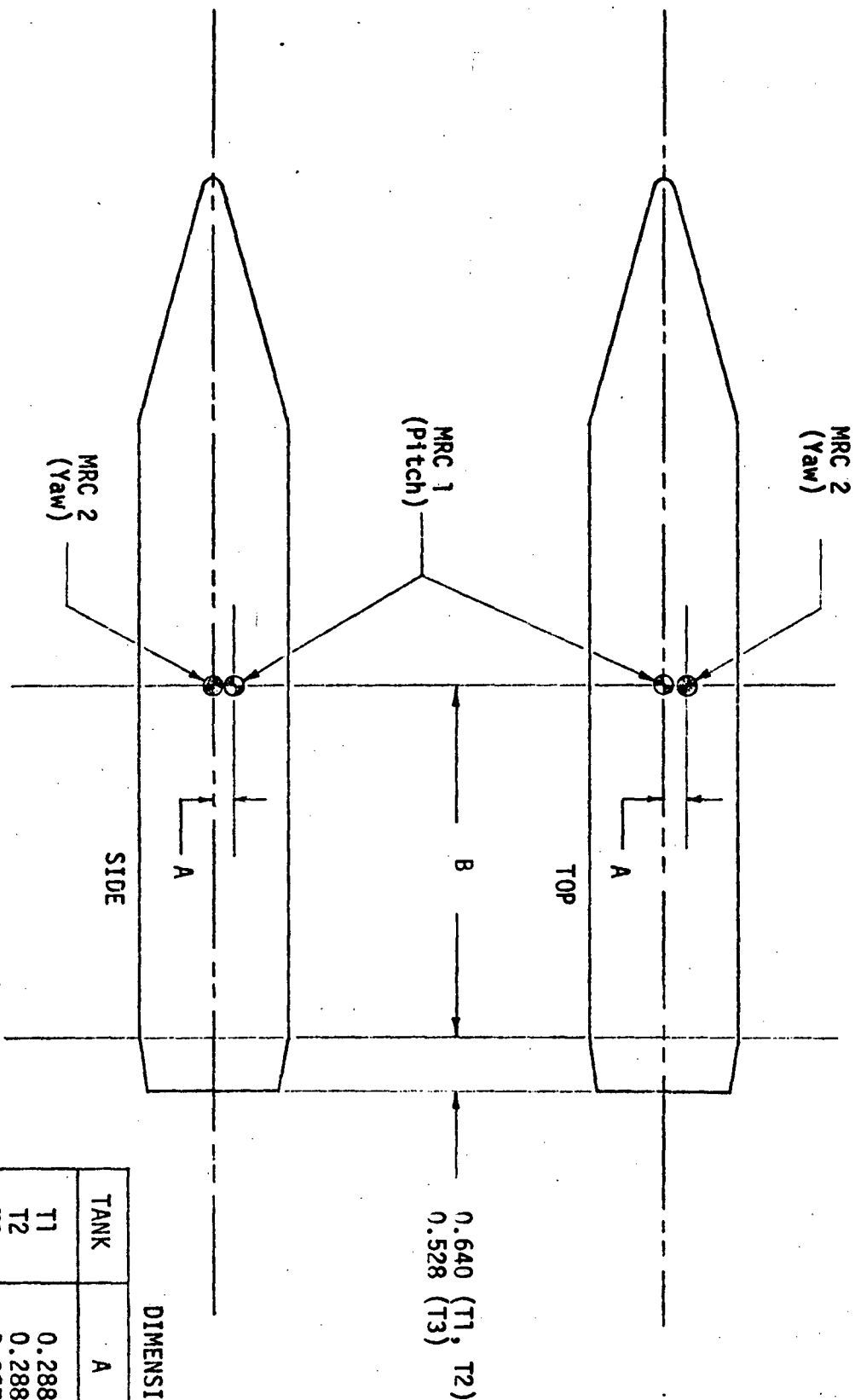
# MOMENT TRANSFER DIAGRAM ORBITER ALONE



All dimensions are model scale, in inches  
Orbiter stations are given in both full  
scale and model scale dimensions.

Figure 14. Moment Transfer Diagram for Orbiter Alone

# MOMENT TRANSFER DIAGRAM CENTERLINE TANK ALONE



All dimensions are model scale, in inches

Figure 15. Moment Transfer Diagram for Centerline Tank Alone

# MOMENT TRANSFER DIAGRAM B<sub>1</sub> Booster Alone

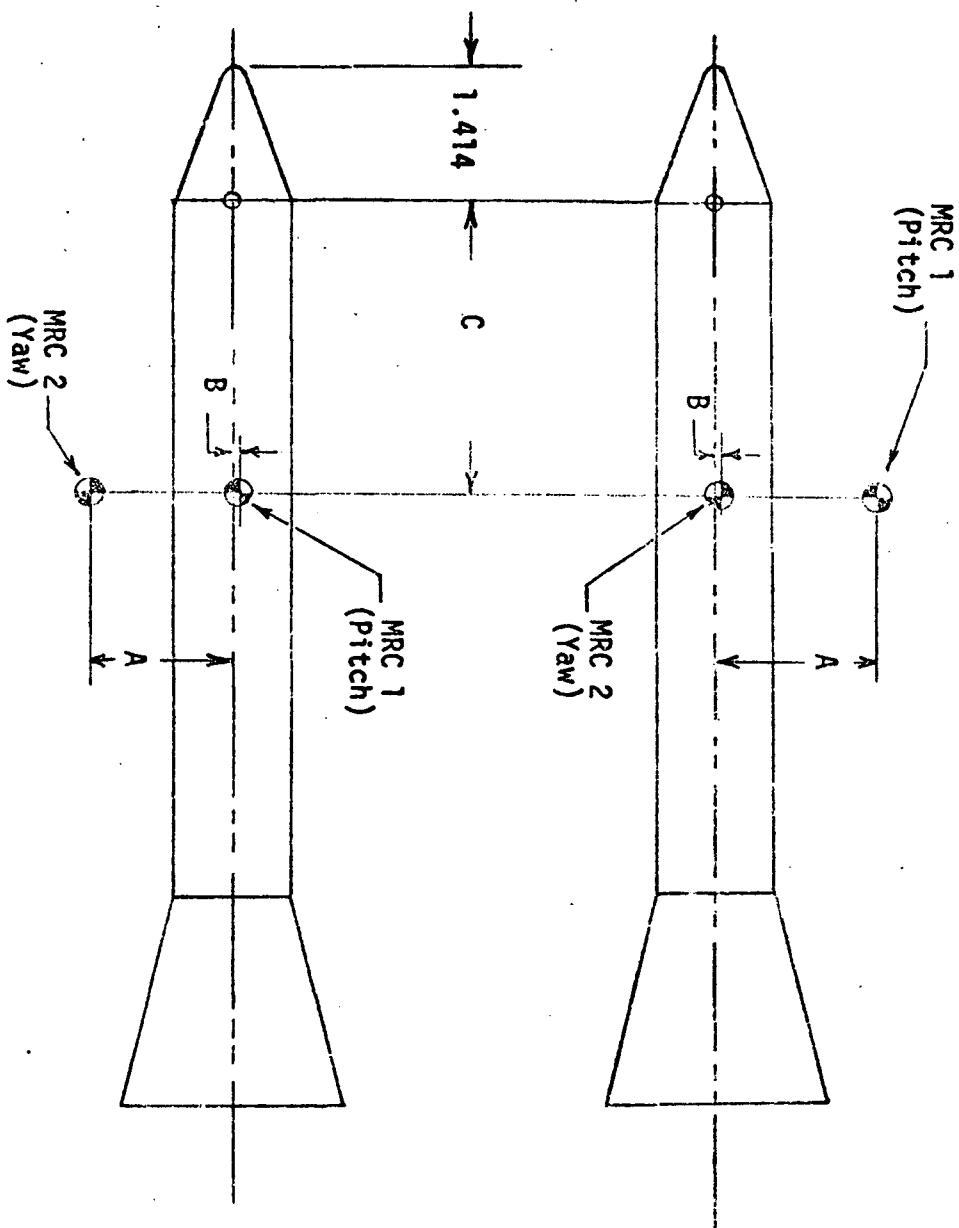


Figure 16. Moment Transfer Diagram for B1 Booster Alone

Dimension			
TANK	A	B	C
T <sub>1</sub>	1.664	0.238	3.222
T <sub>2</sub>	1.664	0.238	3.222
T <sub>3</sub>	1.732	0.297	3.502

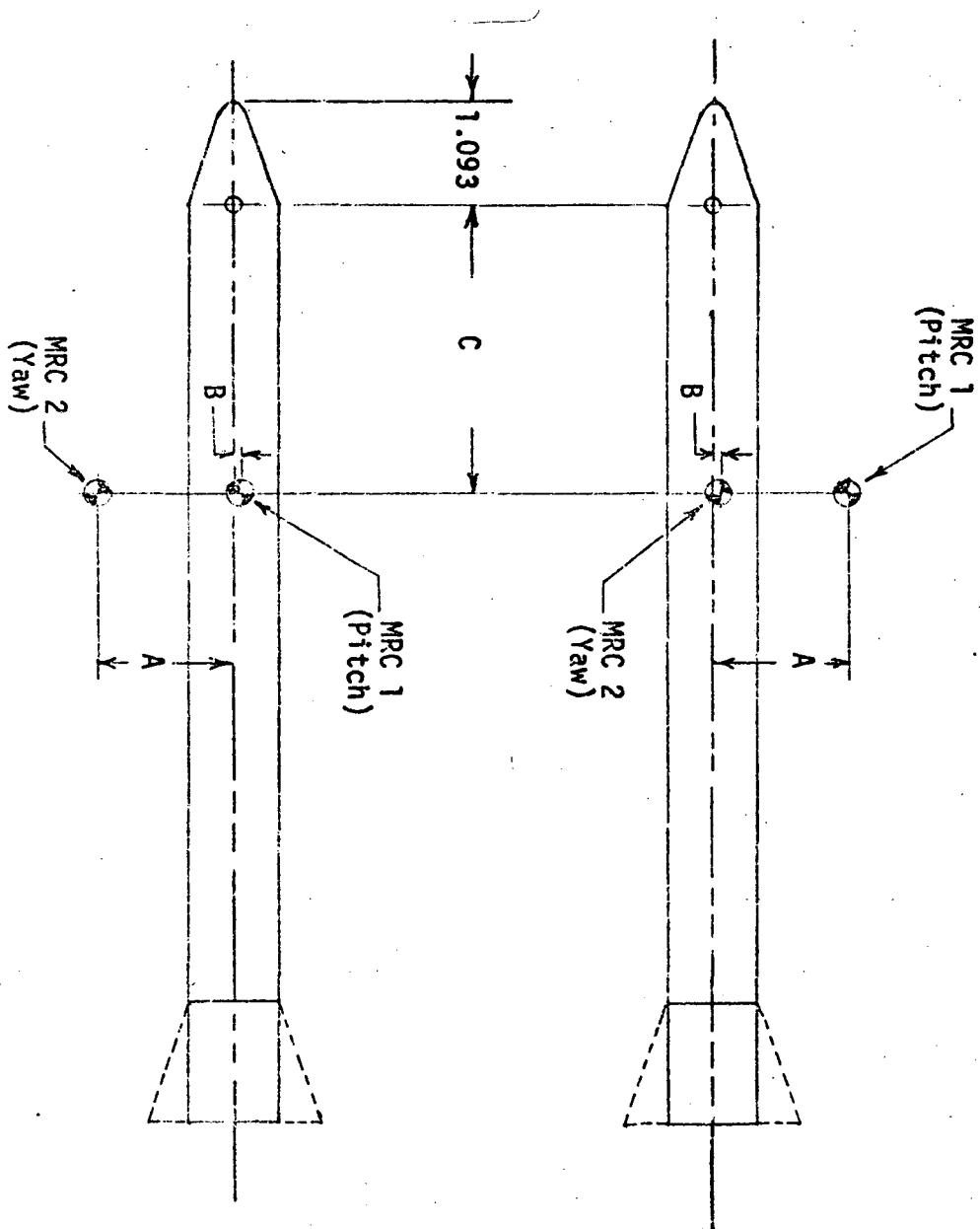
## Booster Alone

X = 4.386" From nose

Y = 0

Z = 0

# MOMENT TRANSFER DIAGRAM B<sub>2</sub> and B<sub>2</sub>S Boosters Alone



TANK	DIMENSION		C
	A	B	
T <sub>1</sub>	1.420	0.058	3.222
T <sub>2</sub>	1.420	0.058	3.222
T <sub>3</sub>	1.488	0.037	3.664

Booster Alone

X = 4.091" From nose

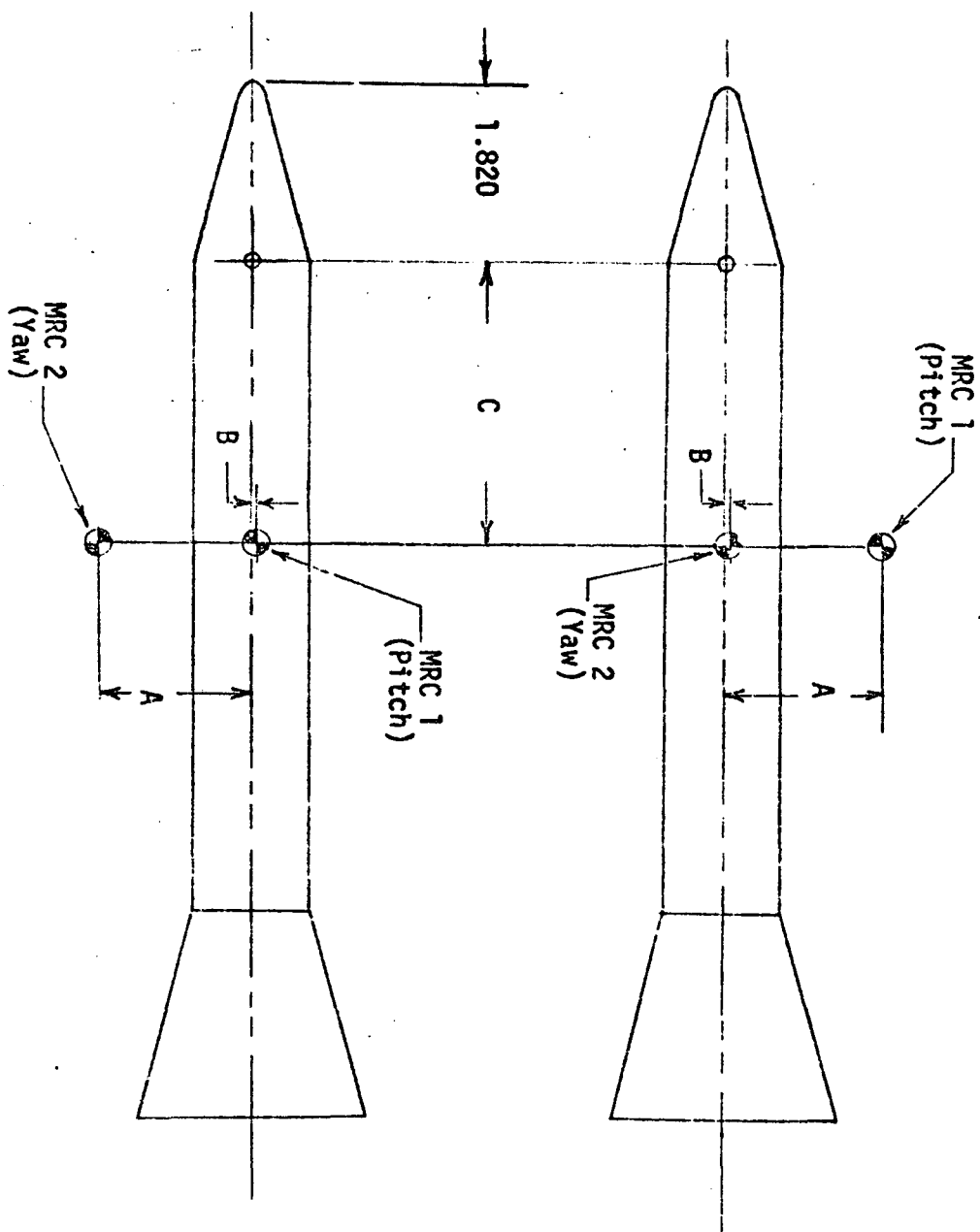
Y = 0

Z = 0

Figure 17. Moment Transfer Diagram for B<sub>2</sub> & B<sub>2</sub>S Boosters Alone



# MOMENT TRANSFER DIAGRAM B<sub>3</sub> Booster Alone



TANK	DIMENSION		
	A	B	C
T <sub>1</sub>	1.664	0.238	2.824
T <sub>2</sub>	1.664	0.238	2.824
T <sub>3</sub>	1.732	0.297	3.104

Booster Alone

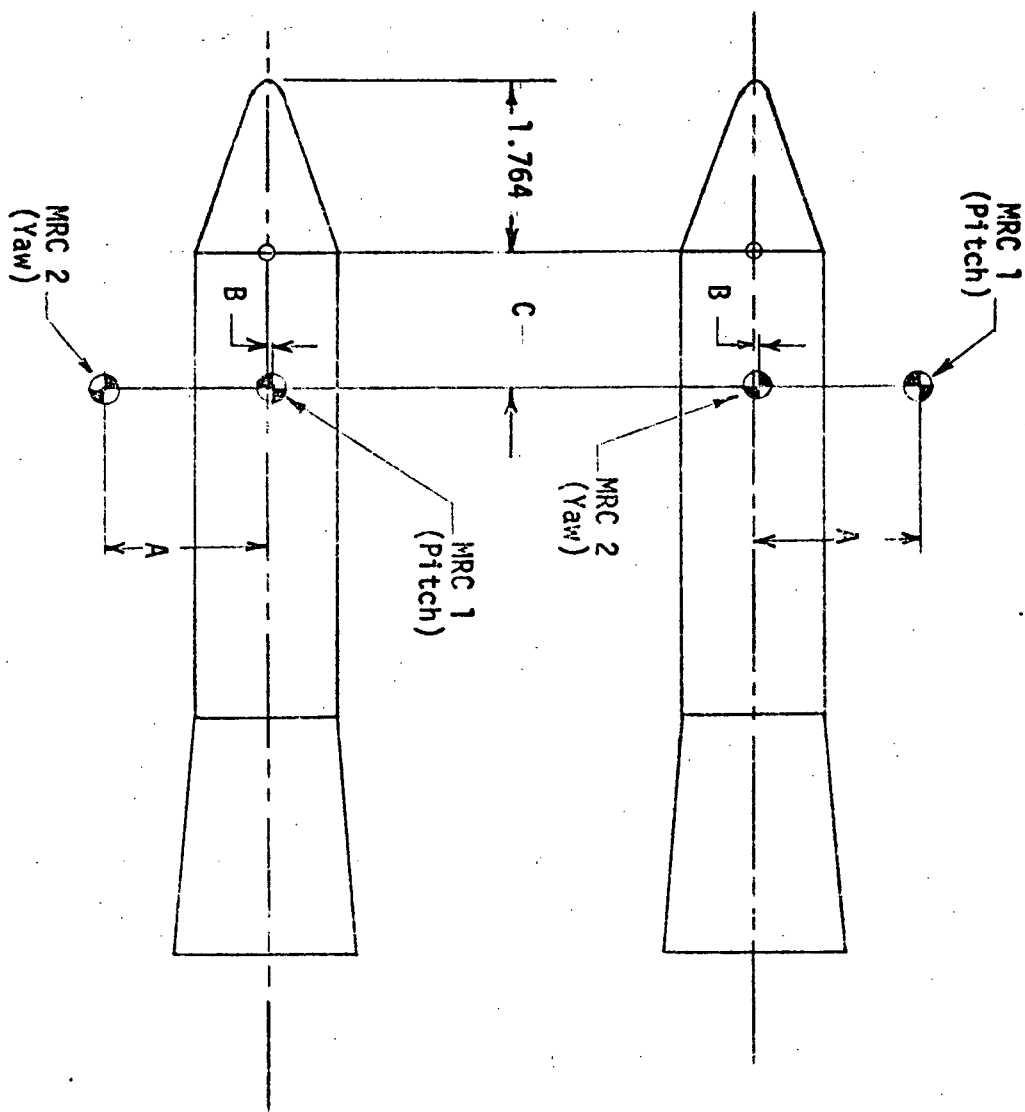
X = 4.386" From nose

Y = 0

Z = 0

Figure 18. Moment Transfer Diagram for B<sub>3</sub> Booster Alone

# MOMENT TRANSFER DIAGRAM B<sub>4</sub> Booster Alone



	DIMENSION		
TANK	A	B	C
T <sub>1</sub>	1.709	0.047	1.502
T <sub>2</sub>	1.709	0.047	1.502
T <sub>3</sub>	1.774	0.047	1.385

Booster Alone

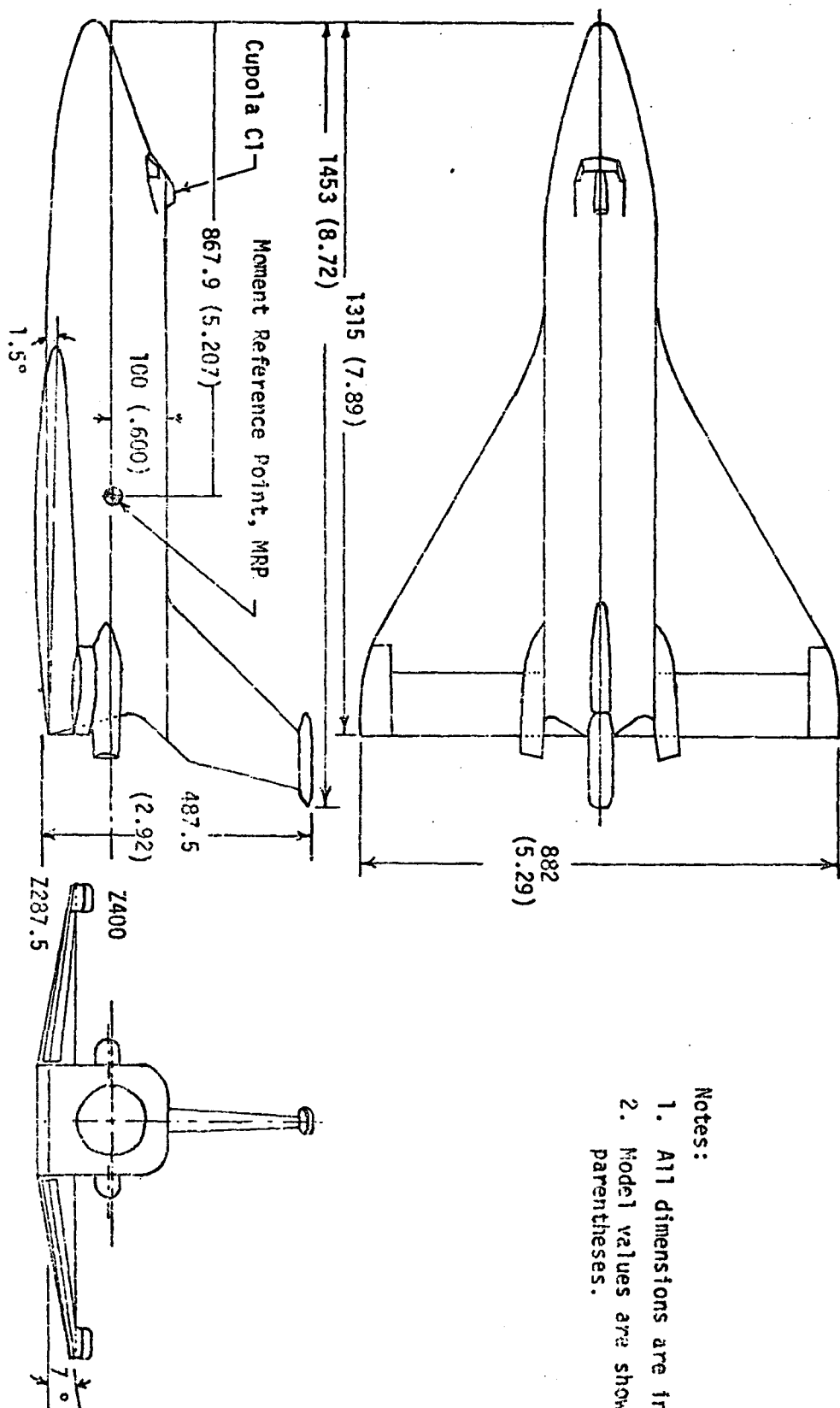
X = 3.152" From nose

Y = 0

Z = 0

Figure 19. Moment Transfer Diagram for B<sub>4</sub> Booster Alone

# GENERAL ARRANGEMENT O4OA ORBITER



- Notes:
1. All dimensions are in inches
  2. Model values are shown in parentheses.

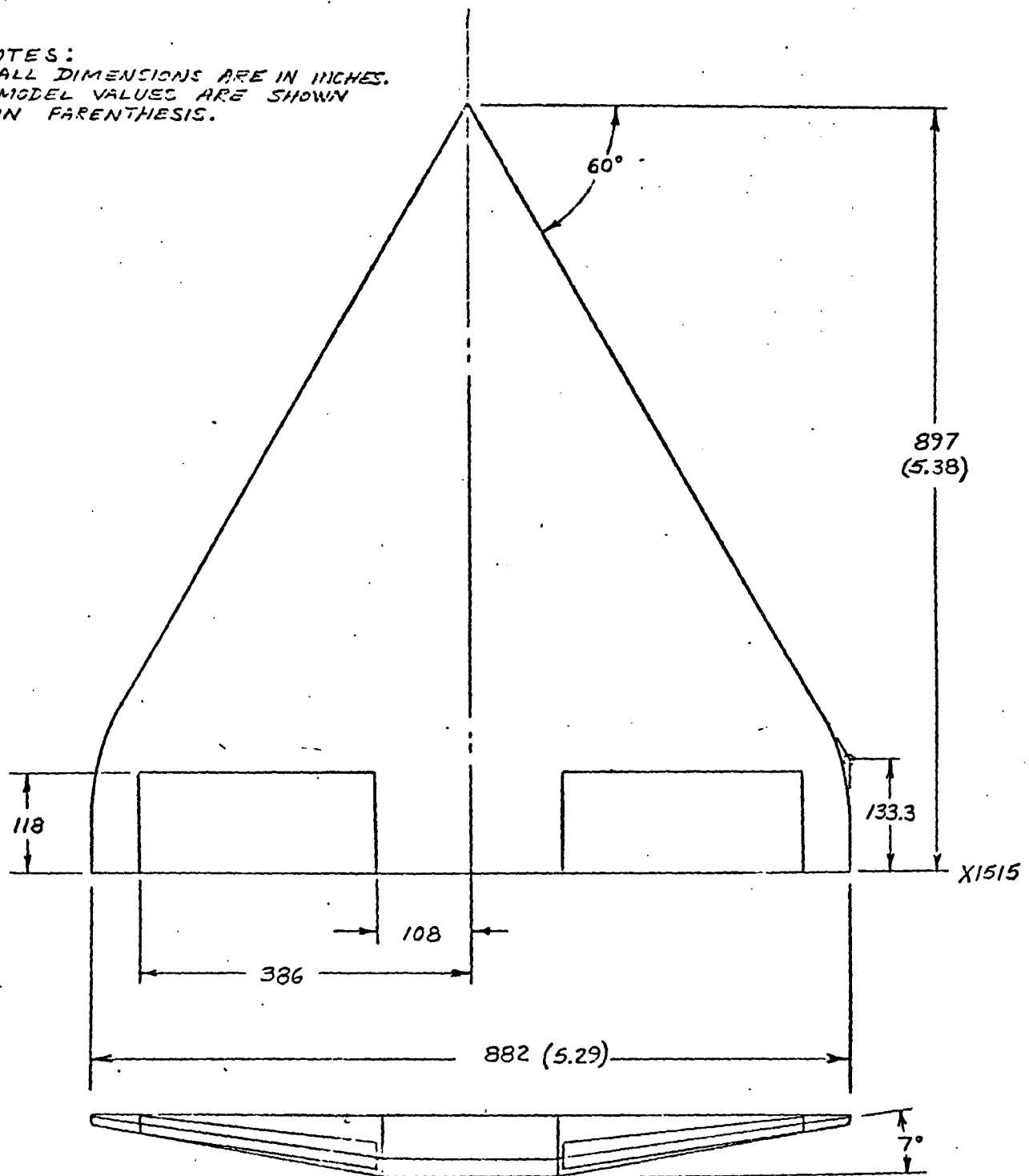
Figure 20. General Arrangement O4OA Orbiter



Figure 21. Orbiter Body, B<sub>1</sub>

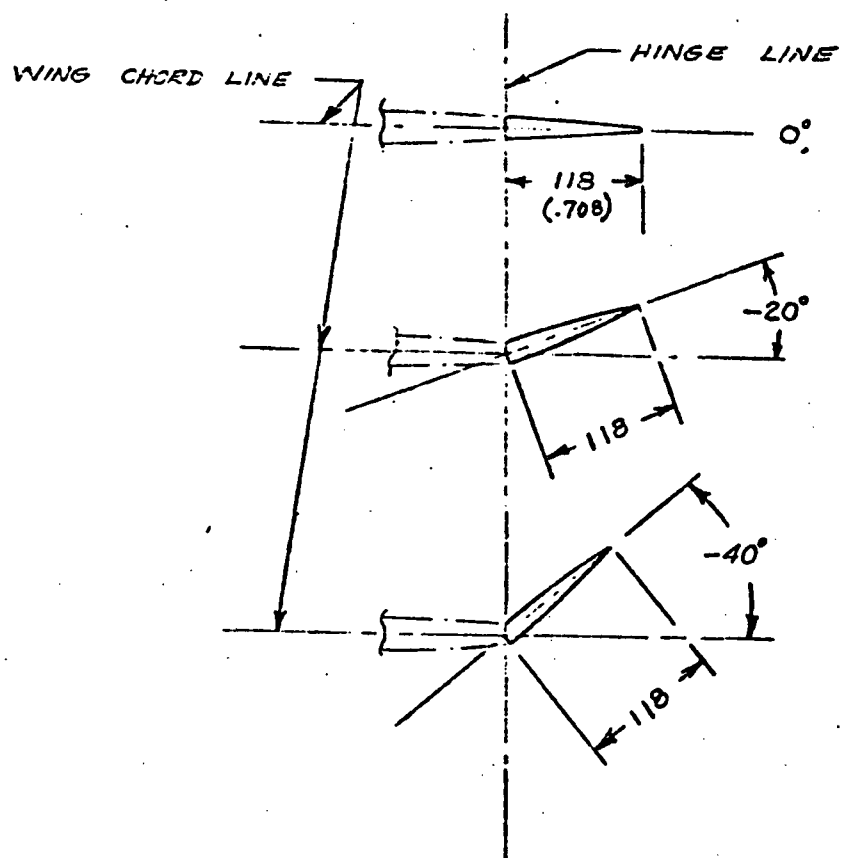
# WING AND ELEVON ~ W1

NOTES:  
 1. ALL DIMENSIONS ARE IN INCHES.  
 2. MODEL VALUES ARE SHOWN  
 IN PARENTHESIS.



.. Figure 22. Wing and Elevon, W<sub>1</sub>

## ELEVON DEFLECTIONS



## RUDDER FLARE AT A TYPICAL SECTION

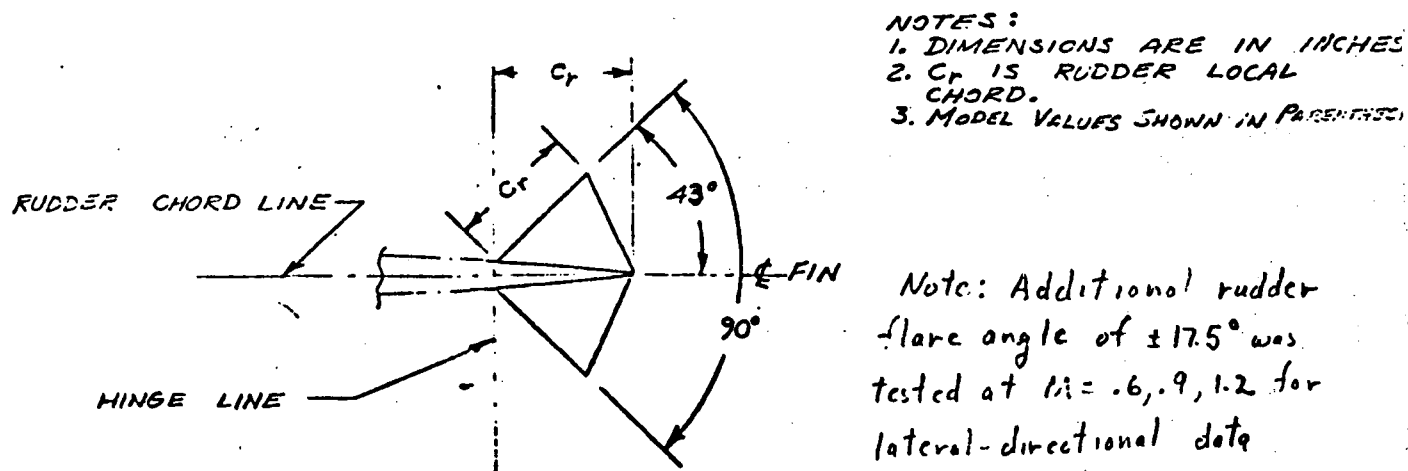


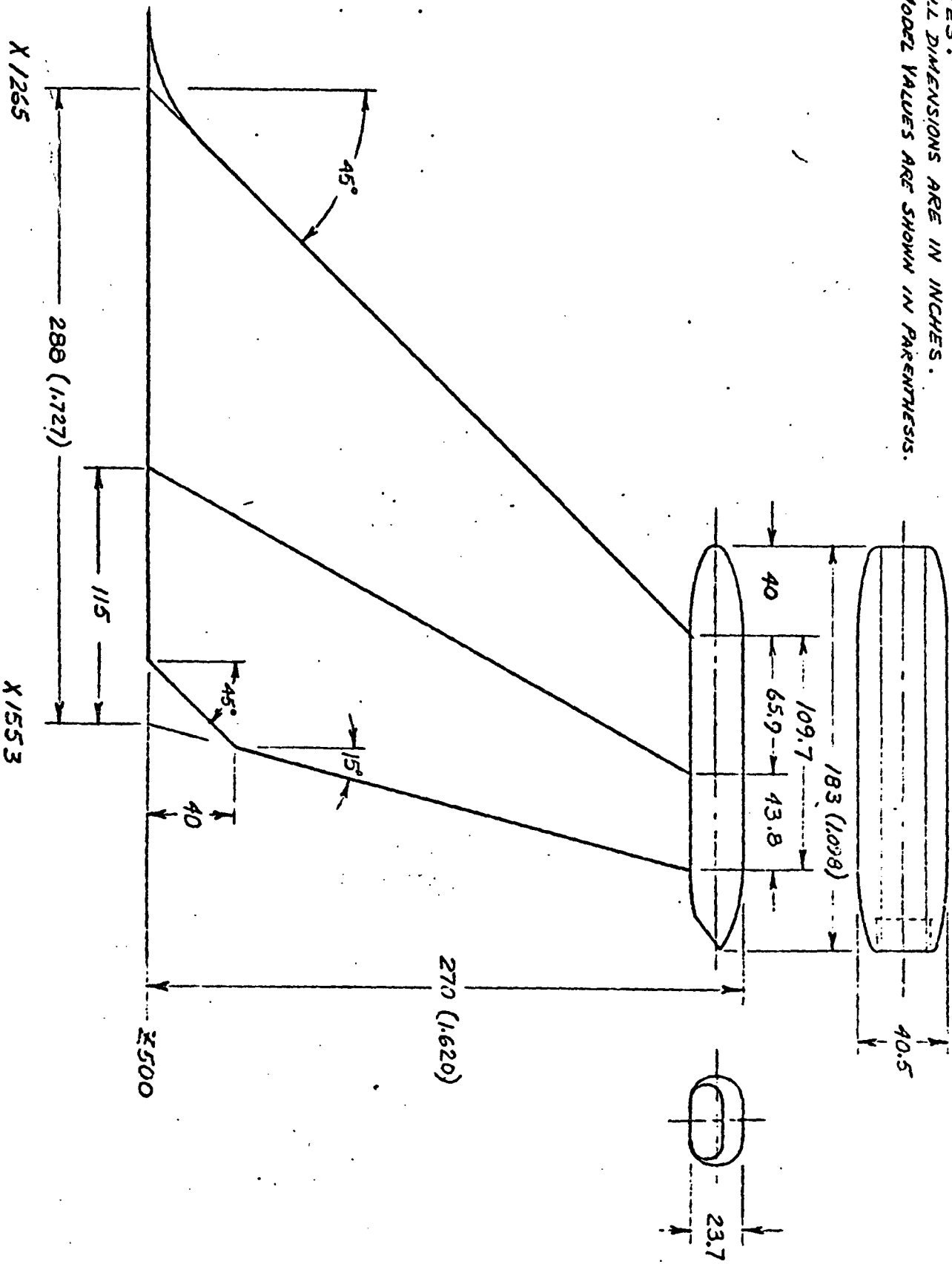
Figure 23. Elevon Deflections and Rudder Flare

Figure 24. Vertical Fin and Rudder, V<sub>1</sub>

**NOTES:**

1. ALL DIMENSIONS ARE IN INCHES.

2. MODEL VALUES ARE SHOWN IN PARENTHESIS.



V<sub>2</sub> - LARGER AREA CENTERLINE VERTICAL TAIL AND RUDDER

$$S_v = 2.514 \text{ in}^2$$

$$b = 2.215 \text{ in}$$

$$\bar{c} = 1.239 \text{ in}$$

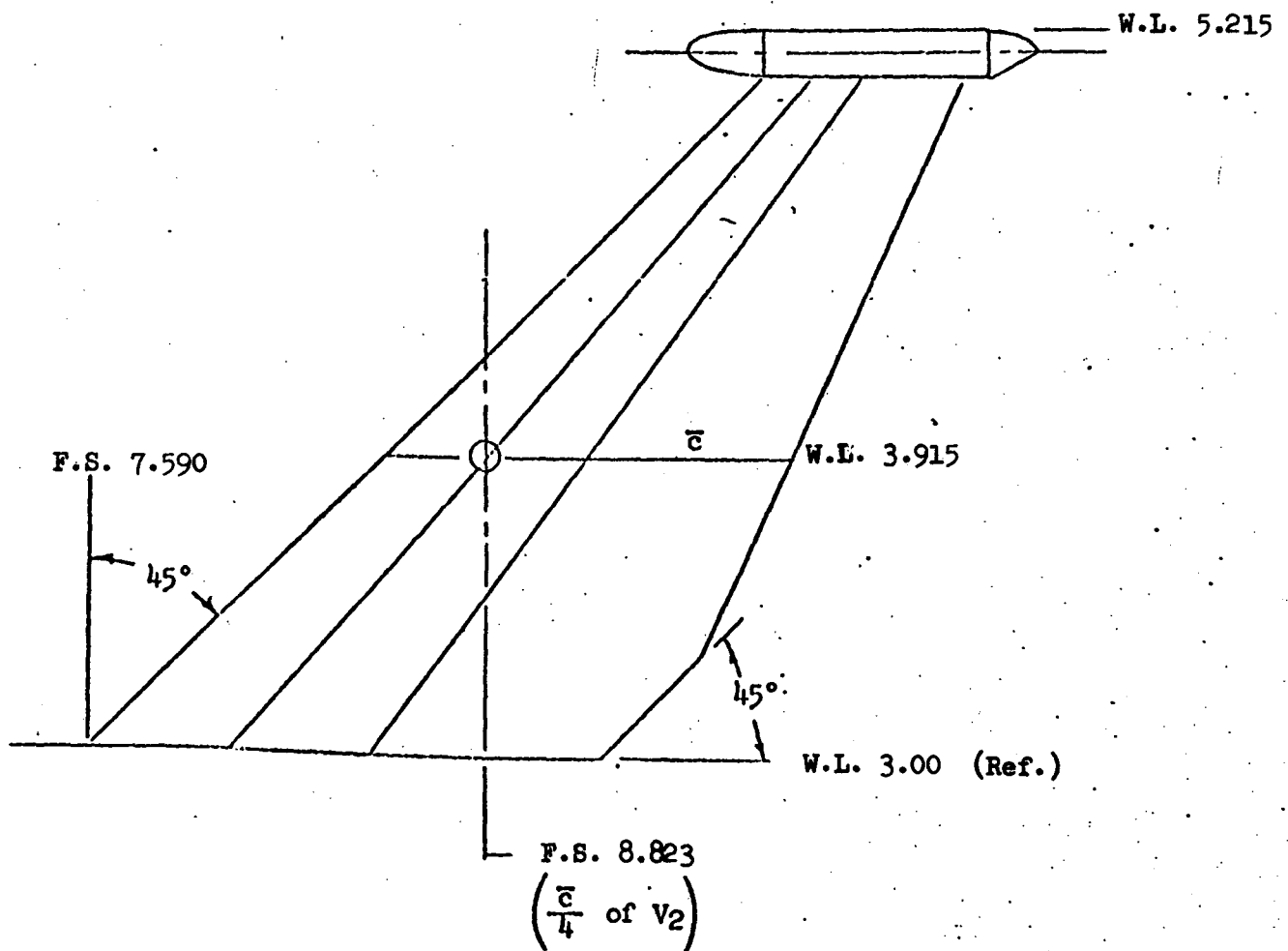
$$AR = 1.95$$

$$C_R = 1.728 \text{ in}$$

$$C_T = 0.542 \text{ in}$$

$$\lambda = 0.310$$

$$\Lambda_{LE} = 45^\circ$$



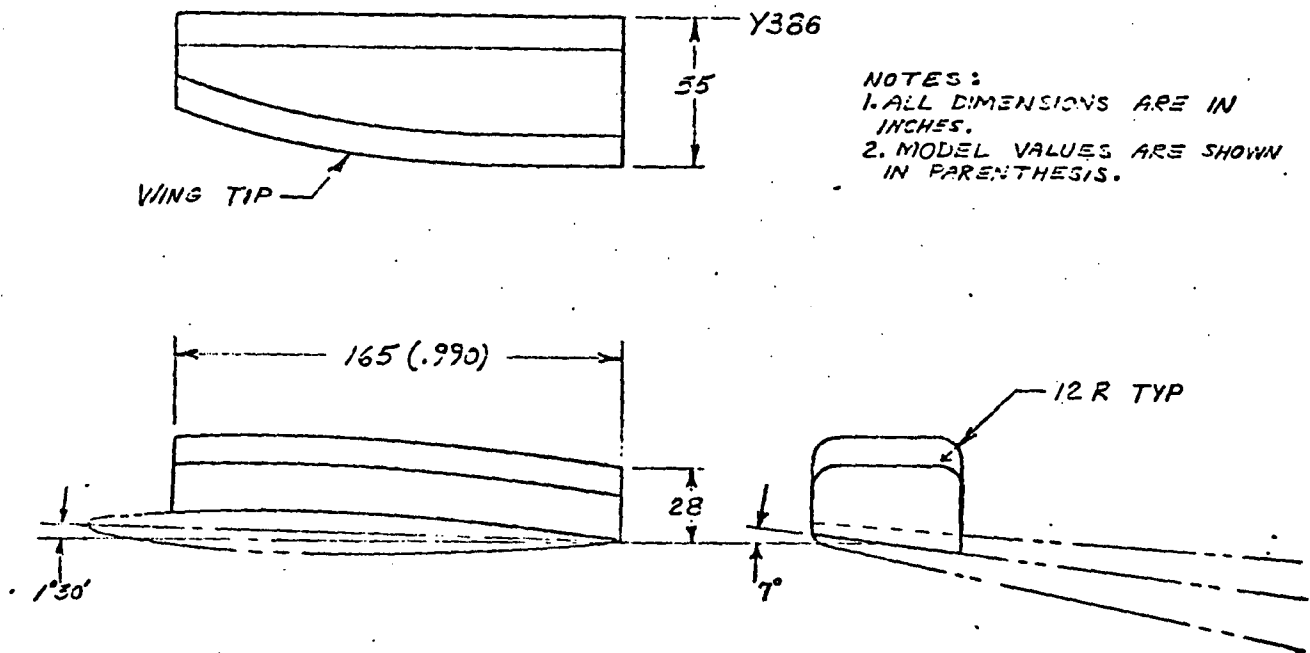
Note: All dimensions are model scale in inches.

Figure 25. Vertical Fin and Rudder, V<sub>2</sub>

MCDONNELL DOUGLAS CORPORATION



# ACPS ENGINE POD ~ P1



# OMS ENGINE POD ~ M1

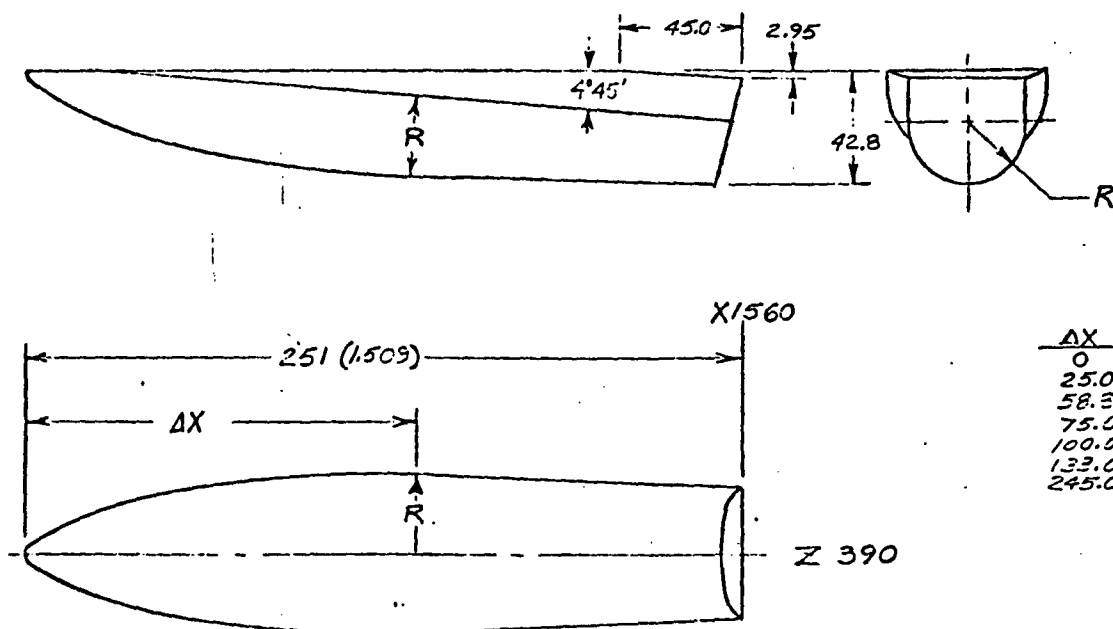
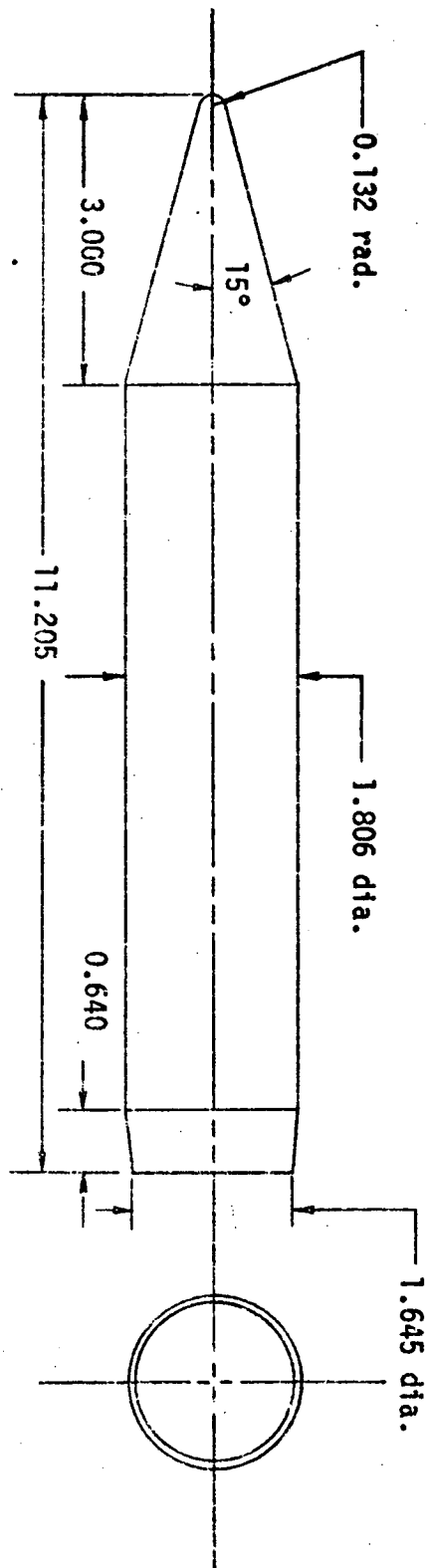


Figure 26. ACPS Engine Pod, P1 and OMS Engine Pod, M1

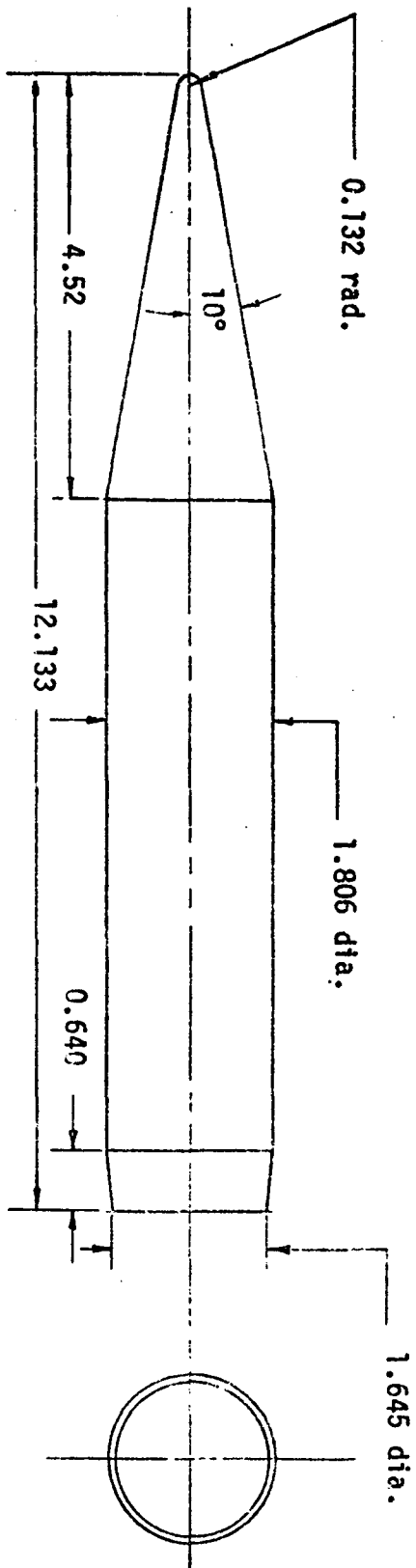
# HO TANK, T<sub>1</sub>



All dimensions are model scale, in inches.

Figure 27. Centerline HO Tank, T<sub>1</sub>

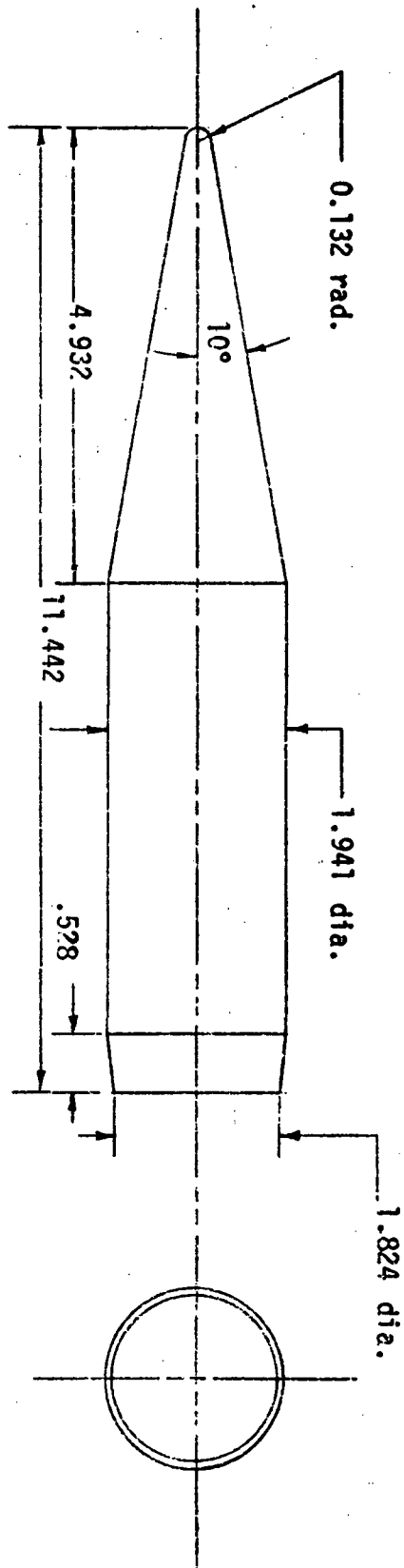
# HO TANK, T<sub>2</sub>



All dimensions are model scale, in inches.

Figure 28. Centerline HO Tank, T<sub>2</sub>

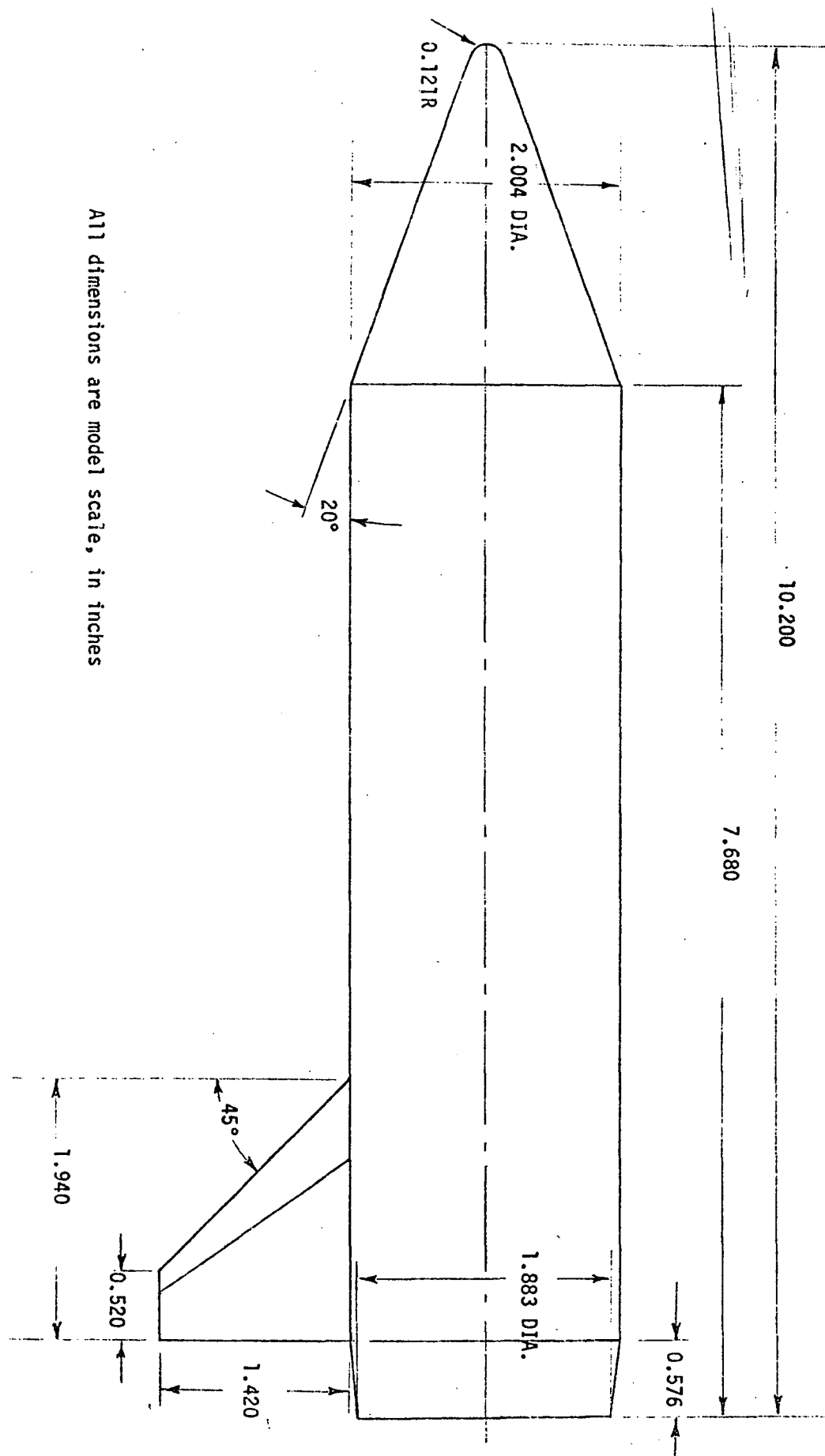
# HO TANK, T<sub>3</sub>



All dimensions are model scale, in inches.

Figure 29. Centerline HO Tank, T<sub>3</sub>

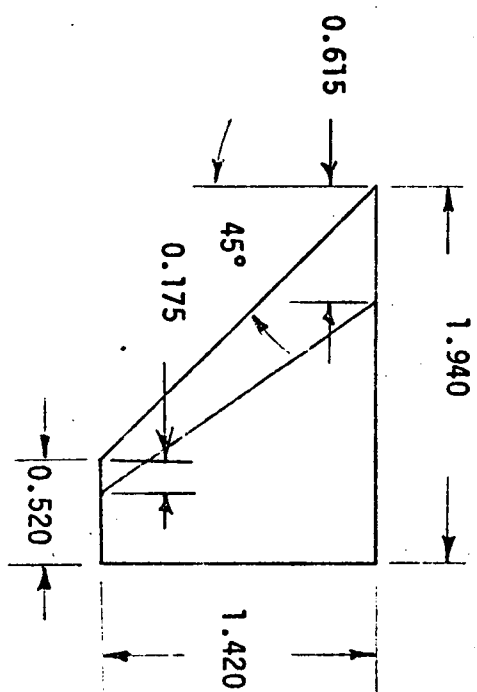
# TANK T<sub>4</sub> WITH TANK VENTRAL FIN, F<sub>1</sub>



All dimensions are model scale, in inches

Figure 30. Centerline HO Tank T<sub>4</sub> with Tank Ventral Fin, F<sub>1</sub>

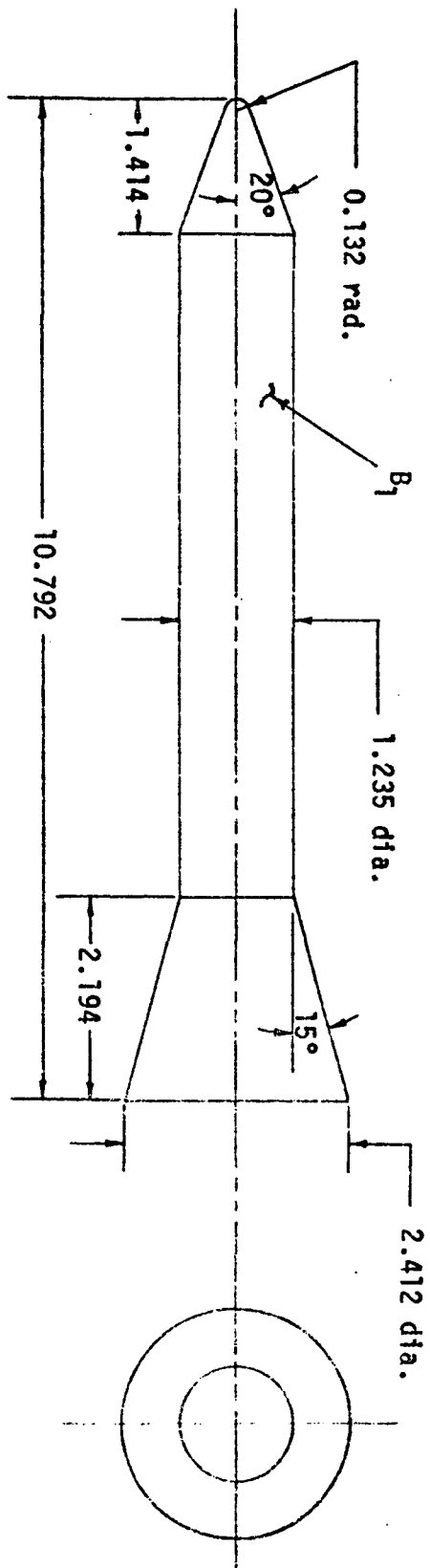
# TANK VENTRAL FIN, $F_1$



All dimensions are model scale, in inches

Figure 31. Centerline Ventral Fin,  $F_1$

# BOOSTER, B<sub>1</sub> & B<sub>5</sub>



All dimensions are model scale, in inches.

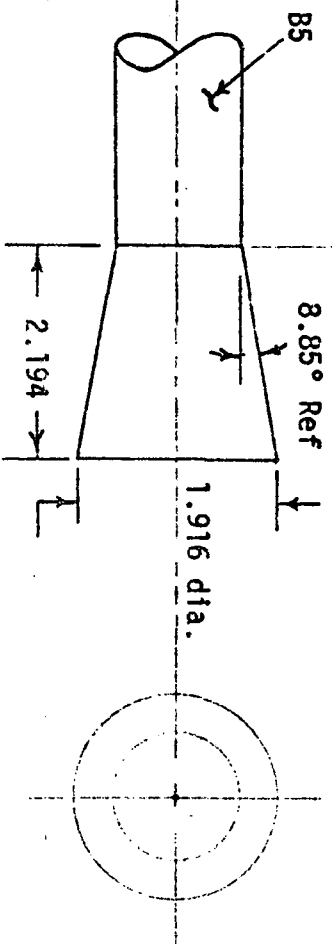


Figure 32. Boosters, B<sub>1</sub> and B<sub>5</sub>

B<sub>1</sub>S<sub>1</sub>

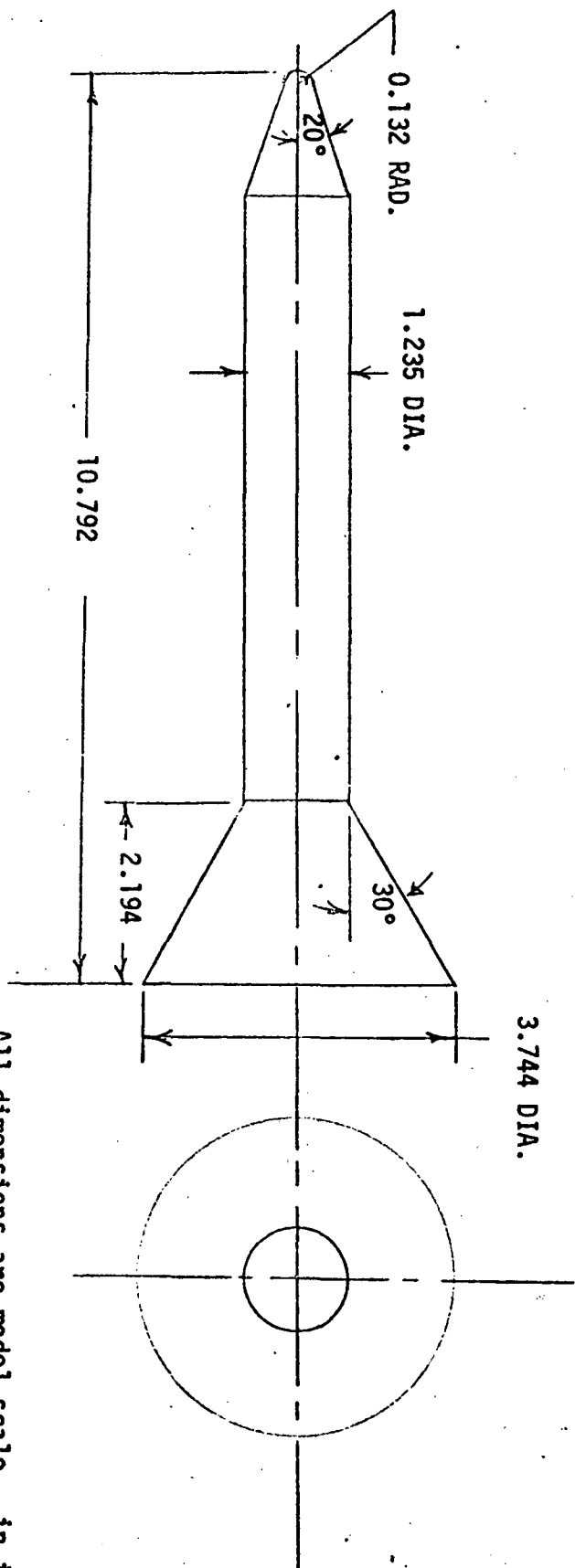
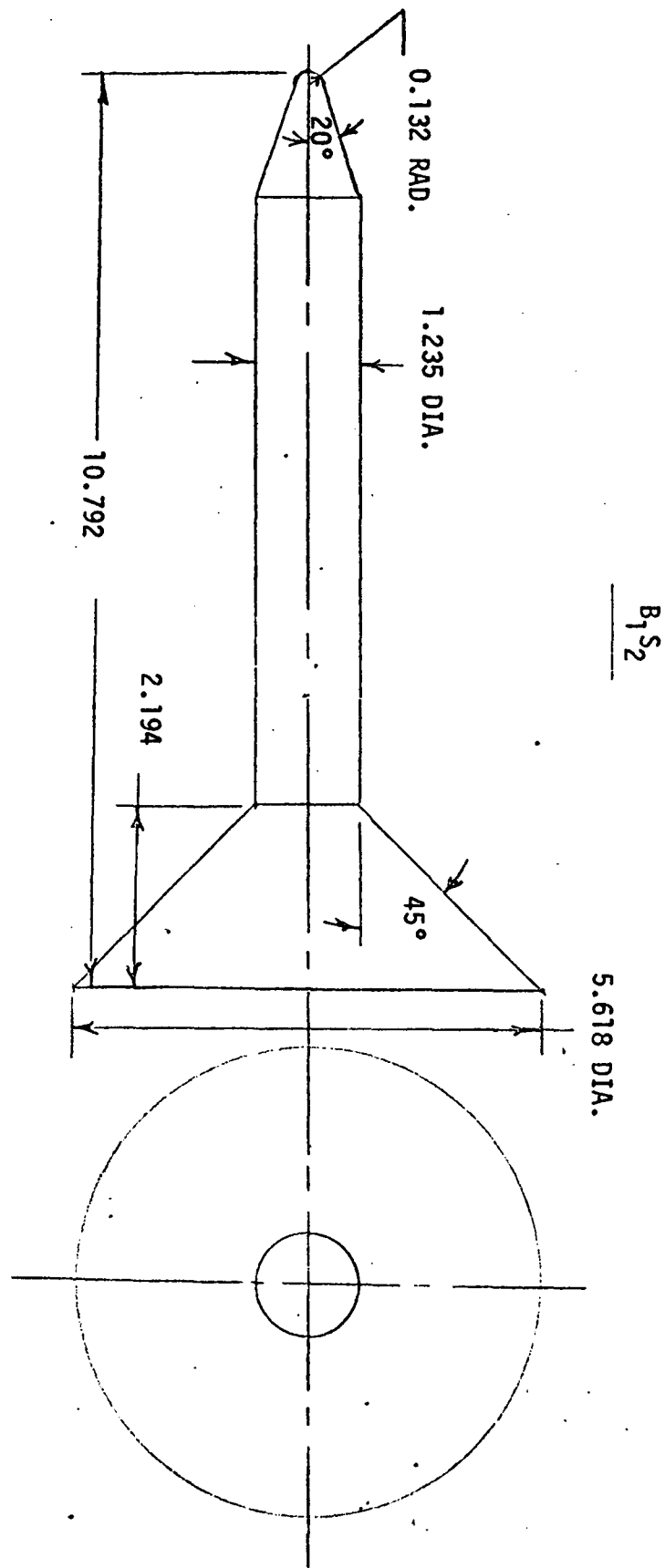


Figure 33. Booster, B<sub>1</sub>S<sub>1</sub>

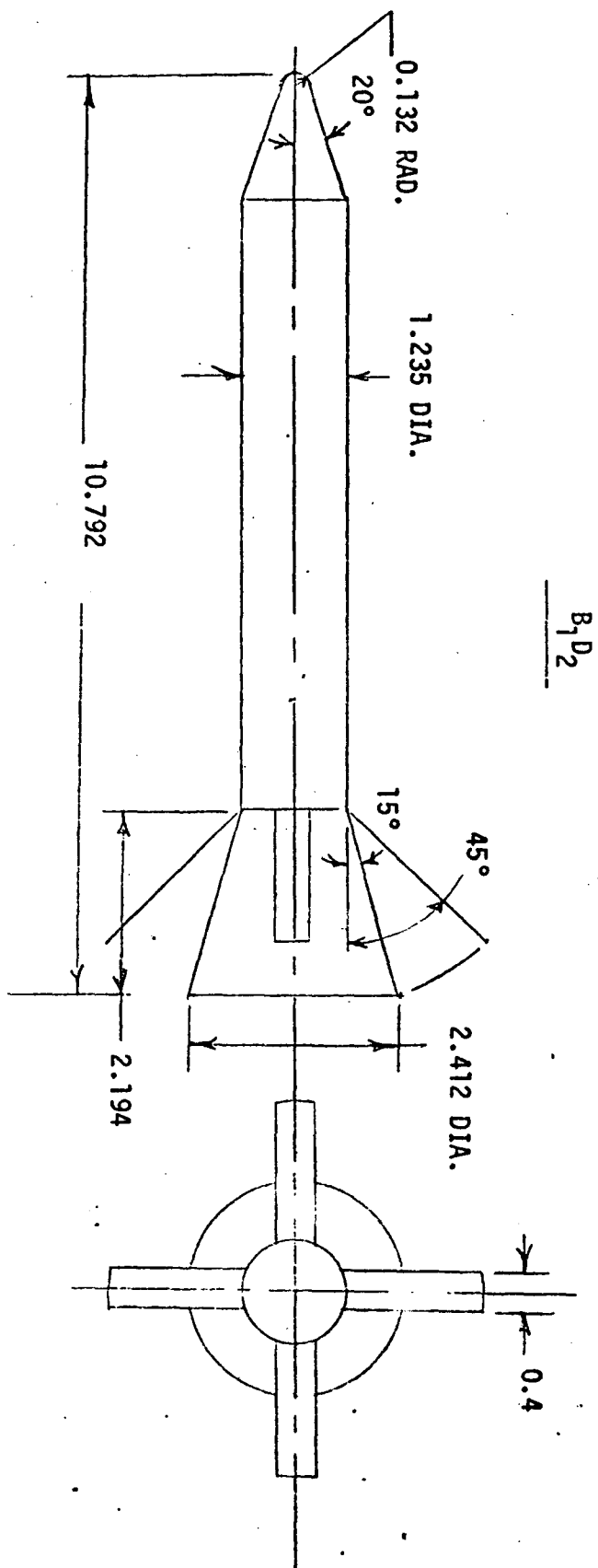
All dimensions are model scale , in inches





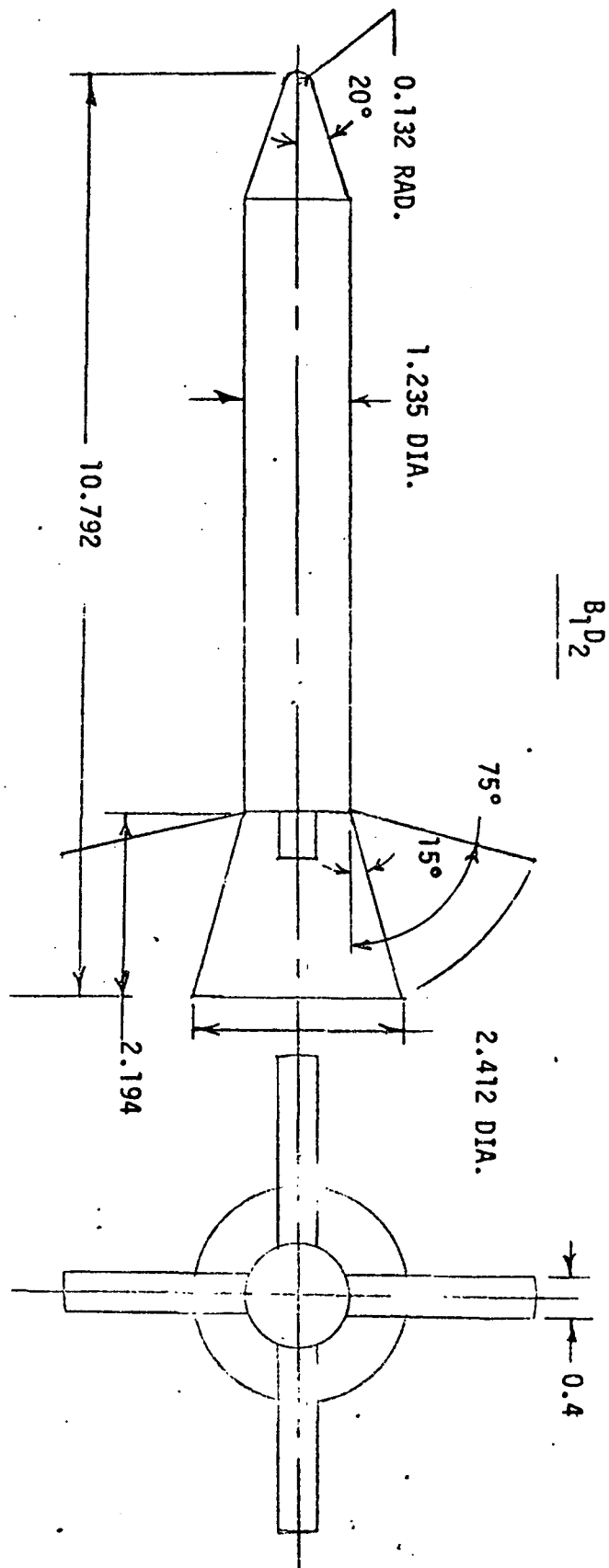
All dimensions are model scale, in inches

Figure 34. Booster,  $B_1S_2$



All dimensions are model scale, in inches

Figure 35. Booster,  $B_1D_2$



All dimensions are model scale, in inches

Figure 35. (Continued)

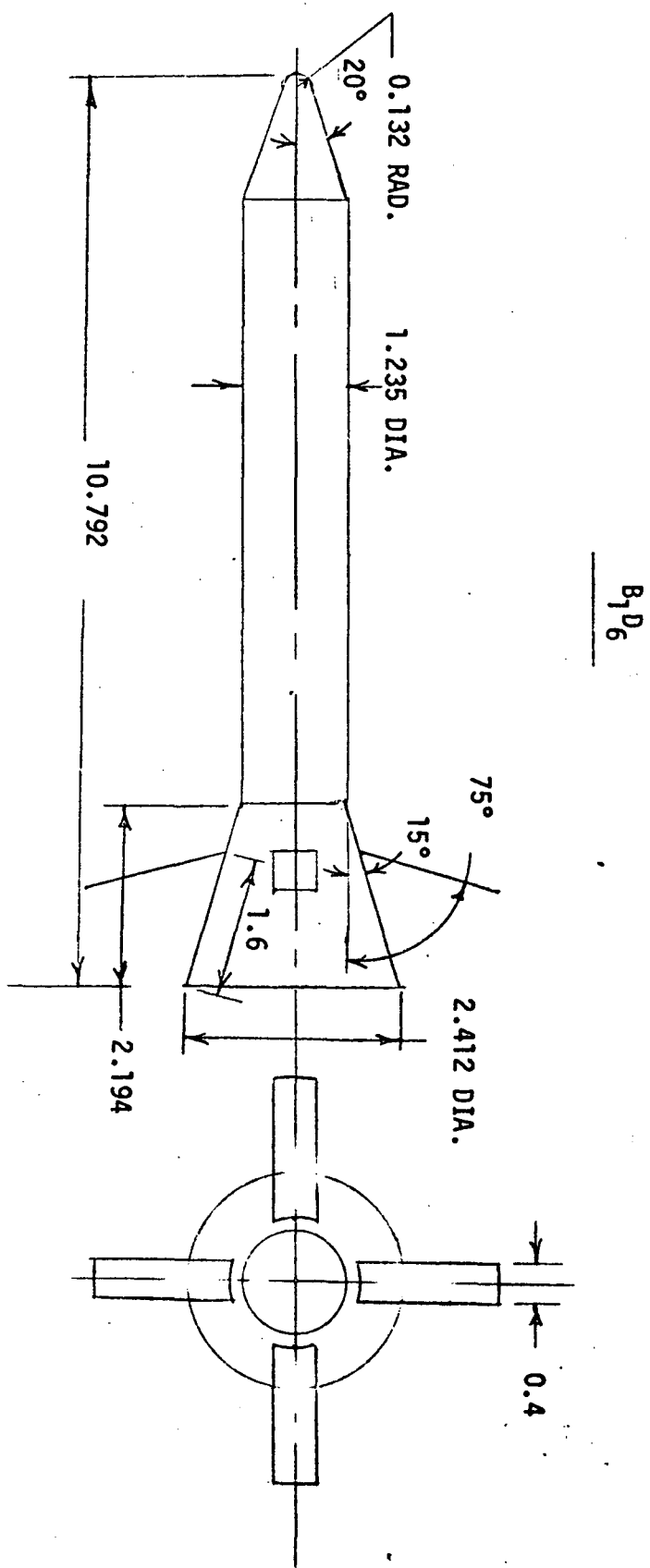
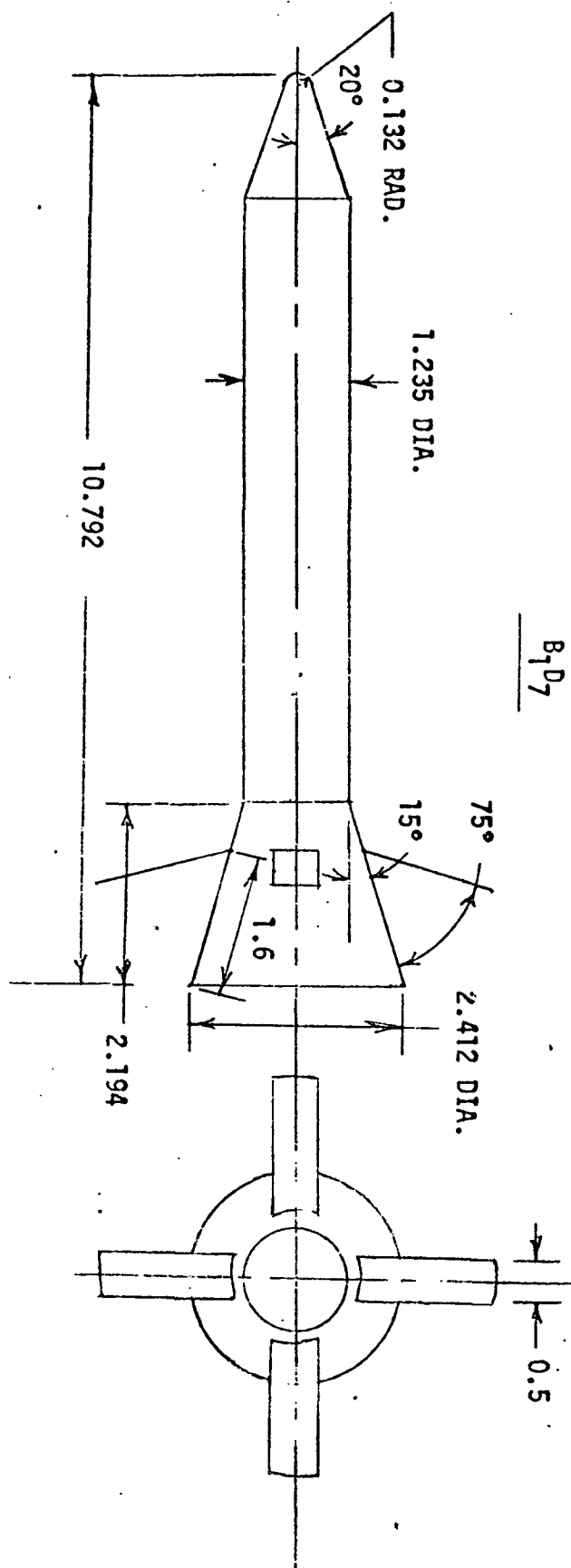


Figure 36. Booster, B<sub>1</sub>D<sub>6</sub>

All dimensions are model scale, in inches



All dimensions are model scale, in inches

Figure 37. Booster, B1D7

# BOOSTERS, B<sub>2</sub> & B<sub>2</sub>S & B<sub>6</sub>

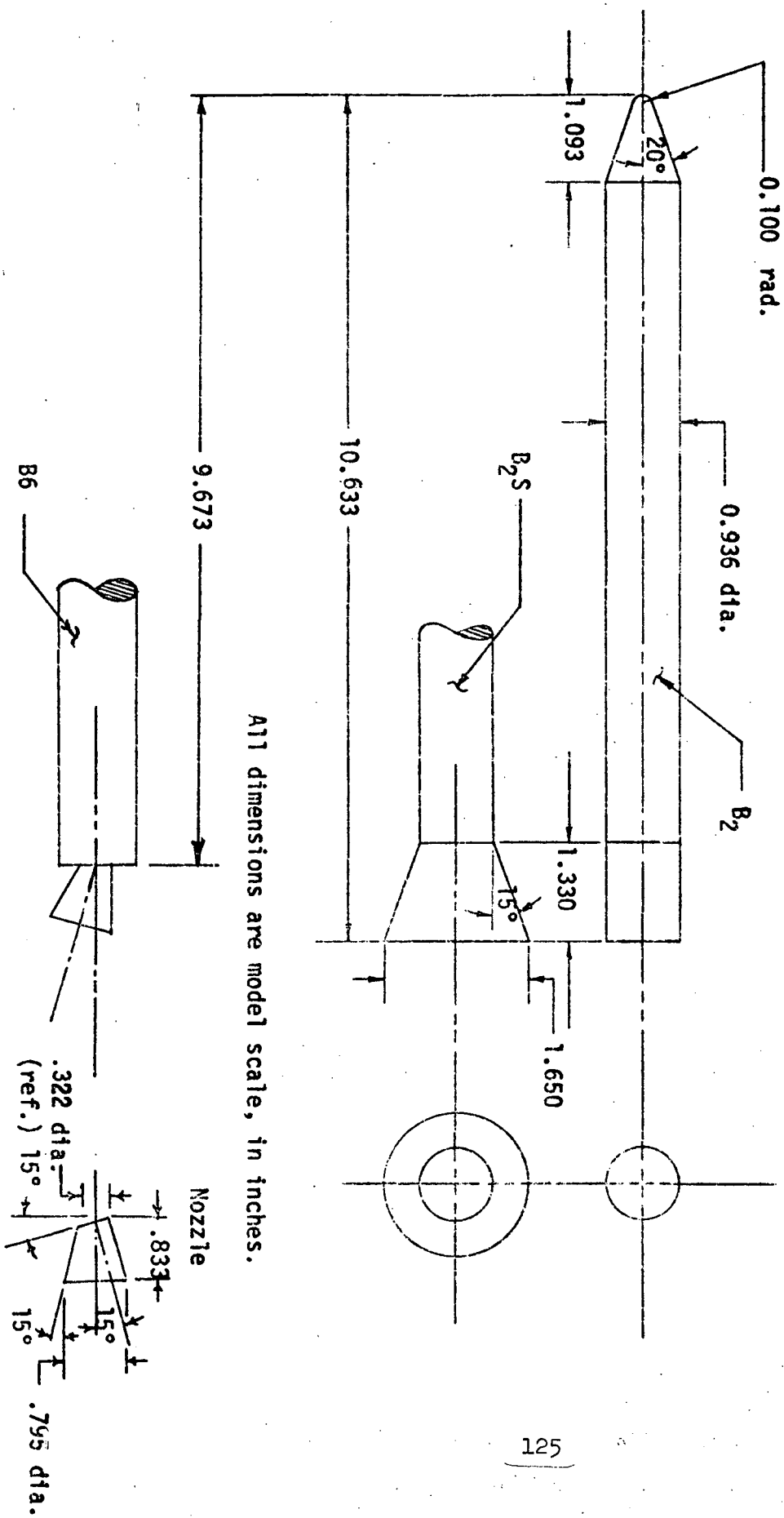
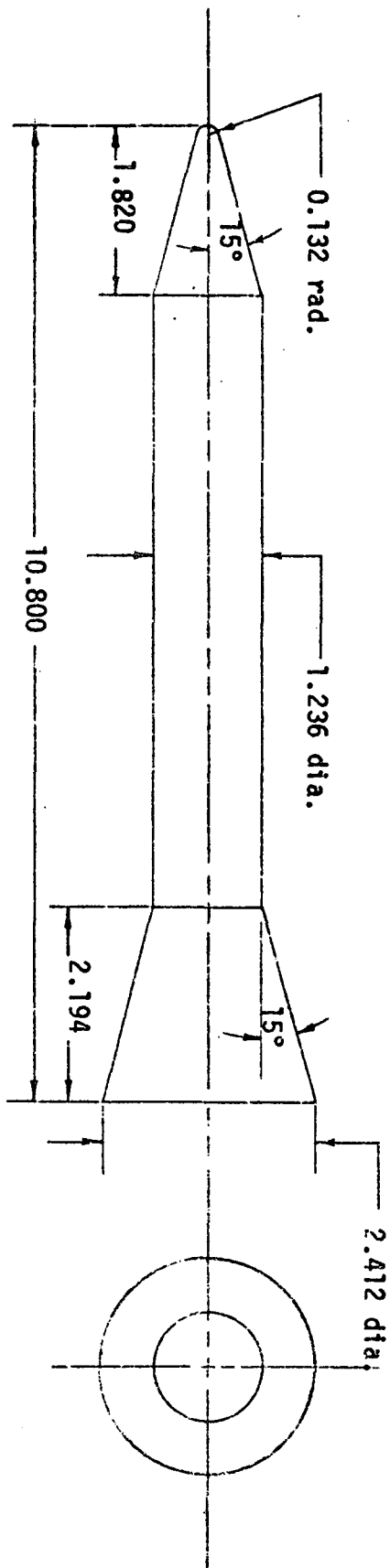


Figure 38. Boosters, B<sub>2</sub>, B<sub>2</sub>S & B<sub>6</sub>

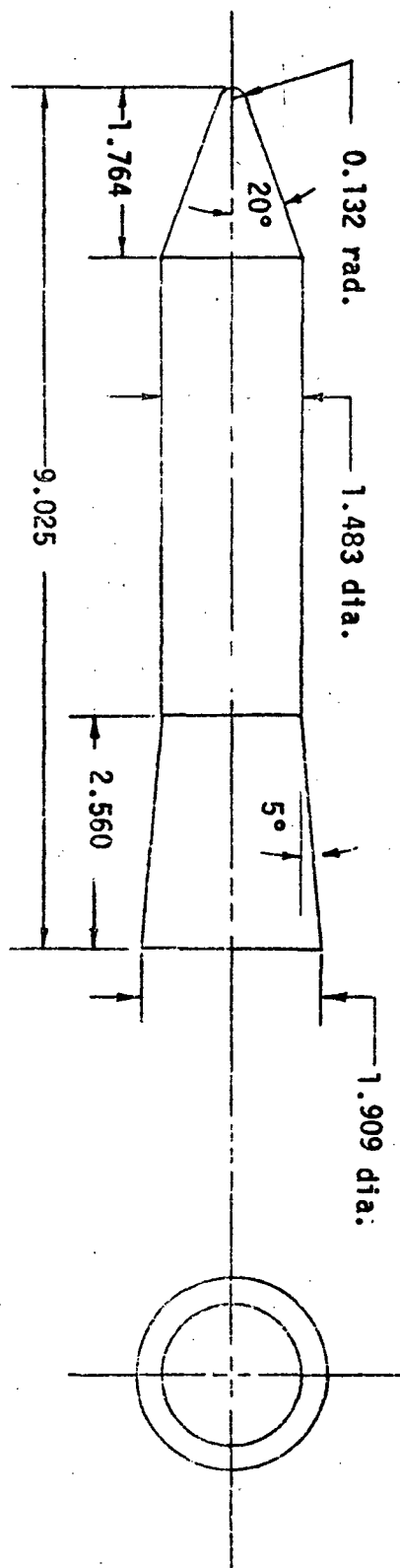
# BOOSTER, B<sub>3</sub>



All dimensions are model scale, in inches.

Figure 39. Booster, B<sub>3</sub>

# BOOSTER, B<sub>4</sub>

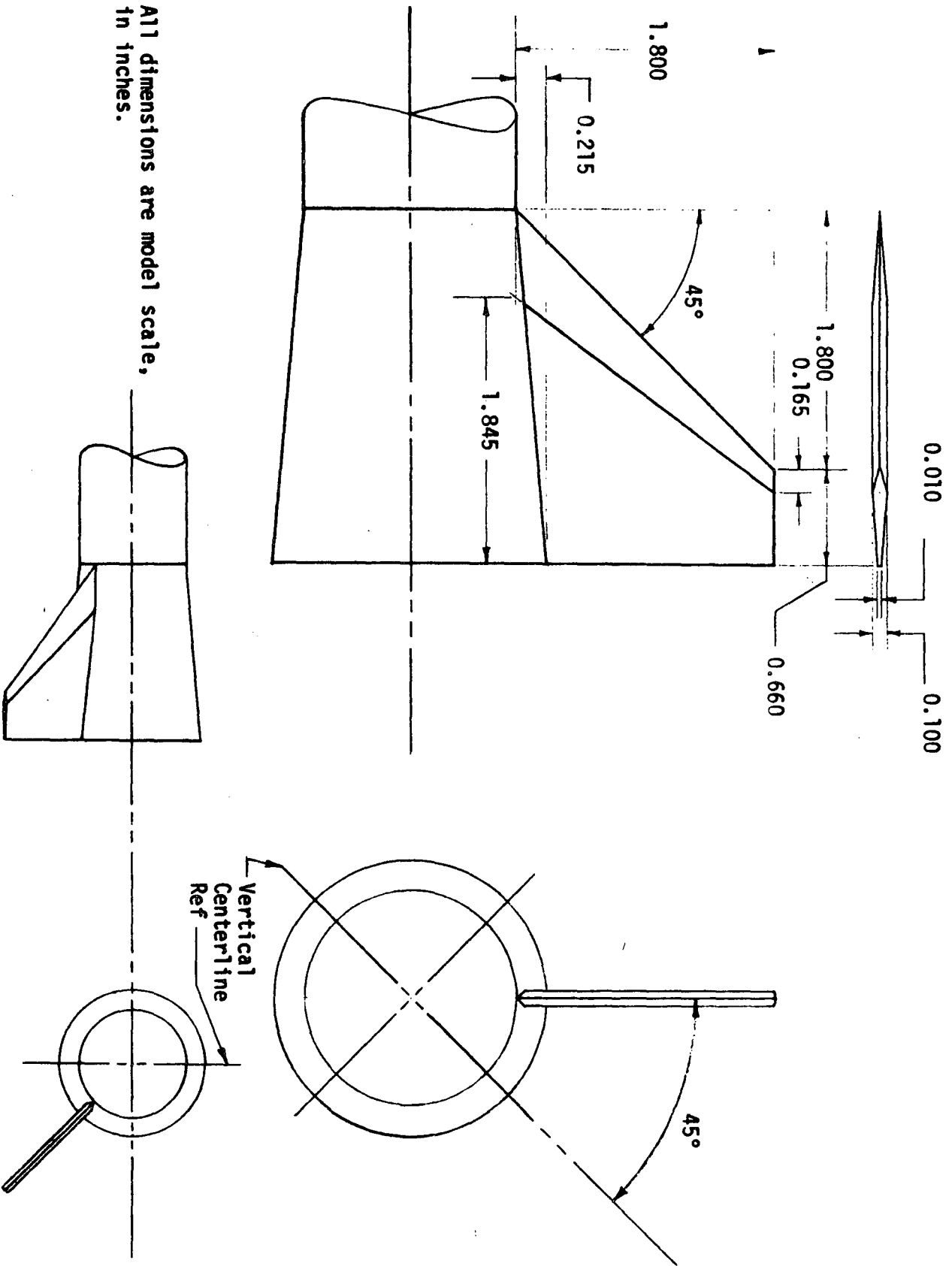


All dimensions are model scale, in inches.

Figure 40. Booster, B<sub>4</sub>

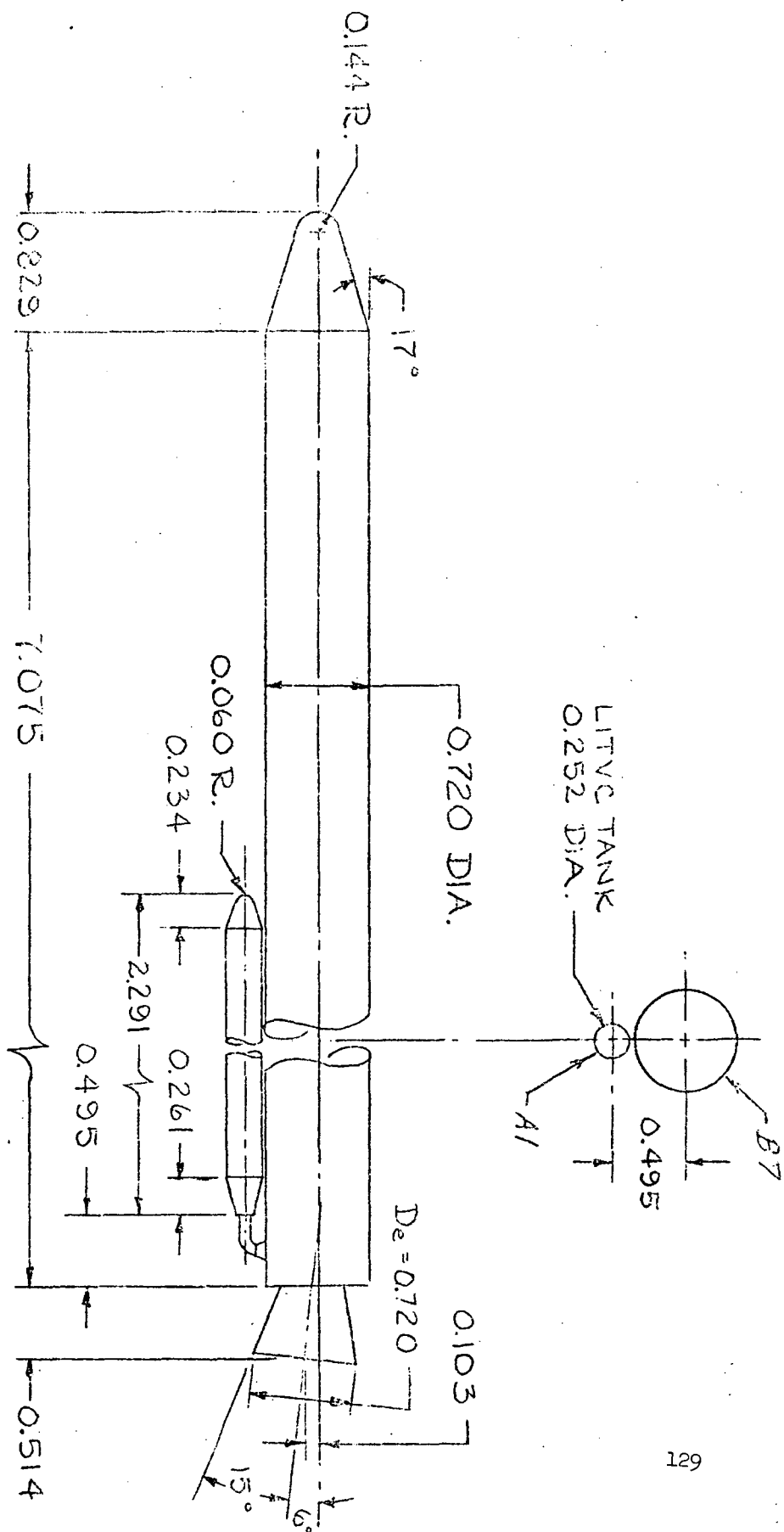


FIN,  $F_4$   
(Shown mounted on Booster,  $B_4$ )



All dimensions are model scale,  
in inches.

Figure 41. Booster Fin  $F_4$  Mounted on Booster  $B_4$



129

B7A1

0.6% SCALE MODEL  
120 INCH, 7 SEGMENT SRM

Figure 42. Booster, B7A1

SCALE FOR HRM 012076  
REMARKS 1-15-12

PREPARED BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_

DIVISION \_\_\_\_\_

PAGE: \_\_\_\_\_  
 MODEL: \_\_\_\_\_  
 REPORT NO: \_\_\_\_\_

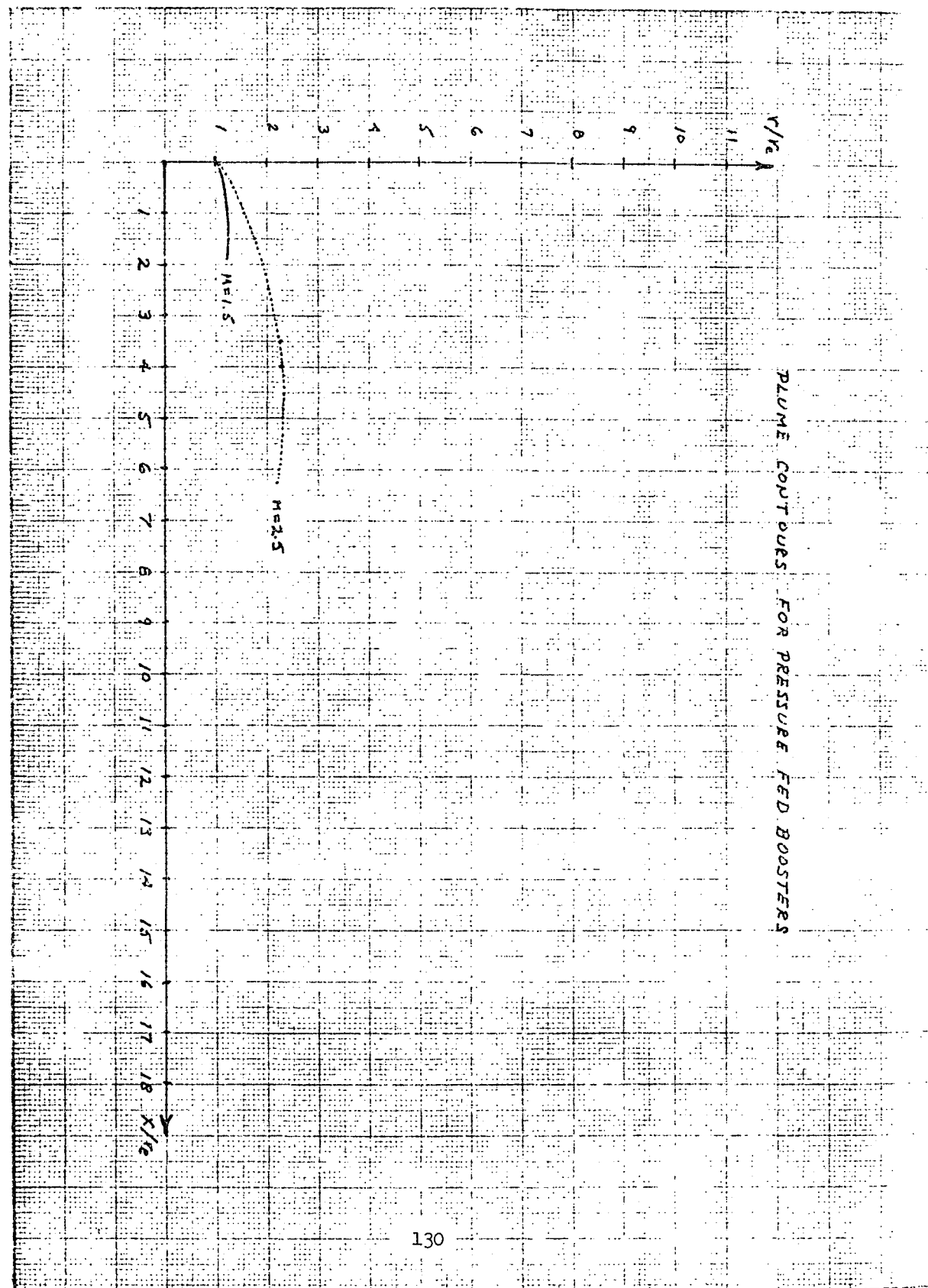
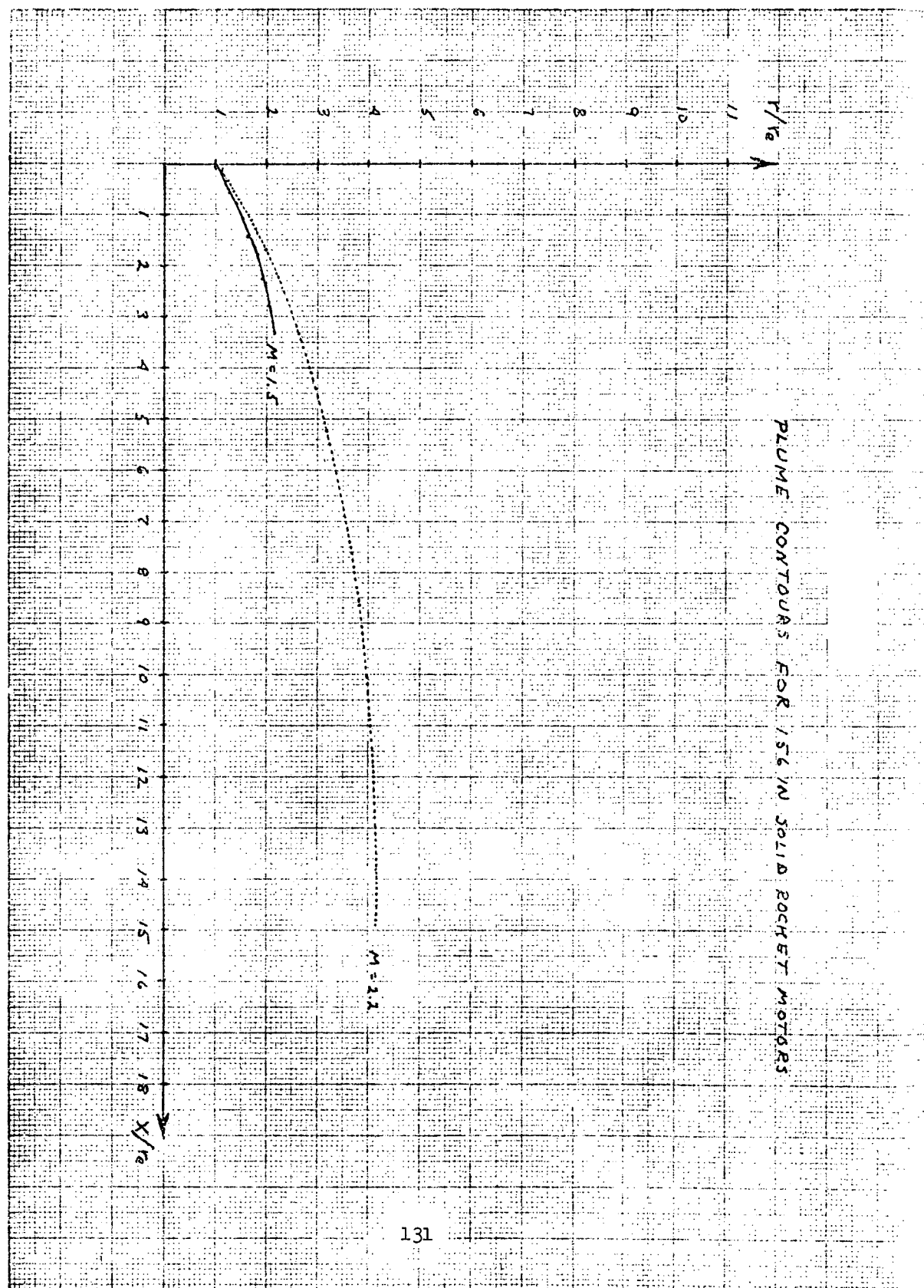


Figure 43. Plume Contours for Pressure Fed Boosters

Figure 44. Plume Contours for 156 Inch Solid Rocket Motors



PREPARED BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
DATE: \_\_\_\_\_  
TITLE: \_\_\_\_\_

PAGE: \_\_\_\_\_  
DIVISION: \_\_\_\_\_  
MODEL: \_\_\_\_\_  
REPORT NO.: \_\_\_\_\_

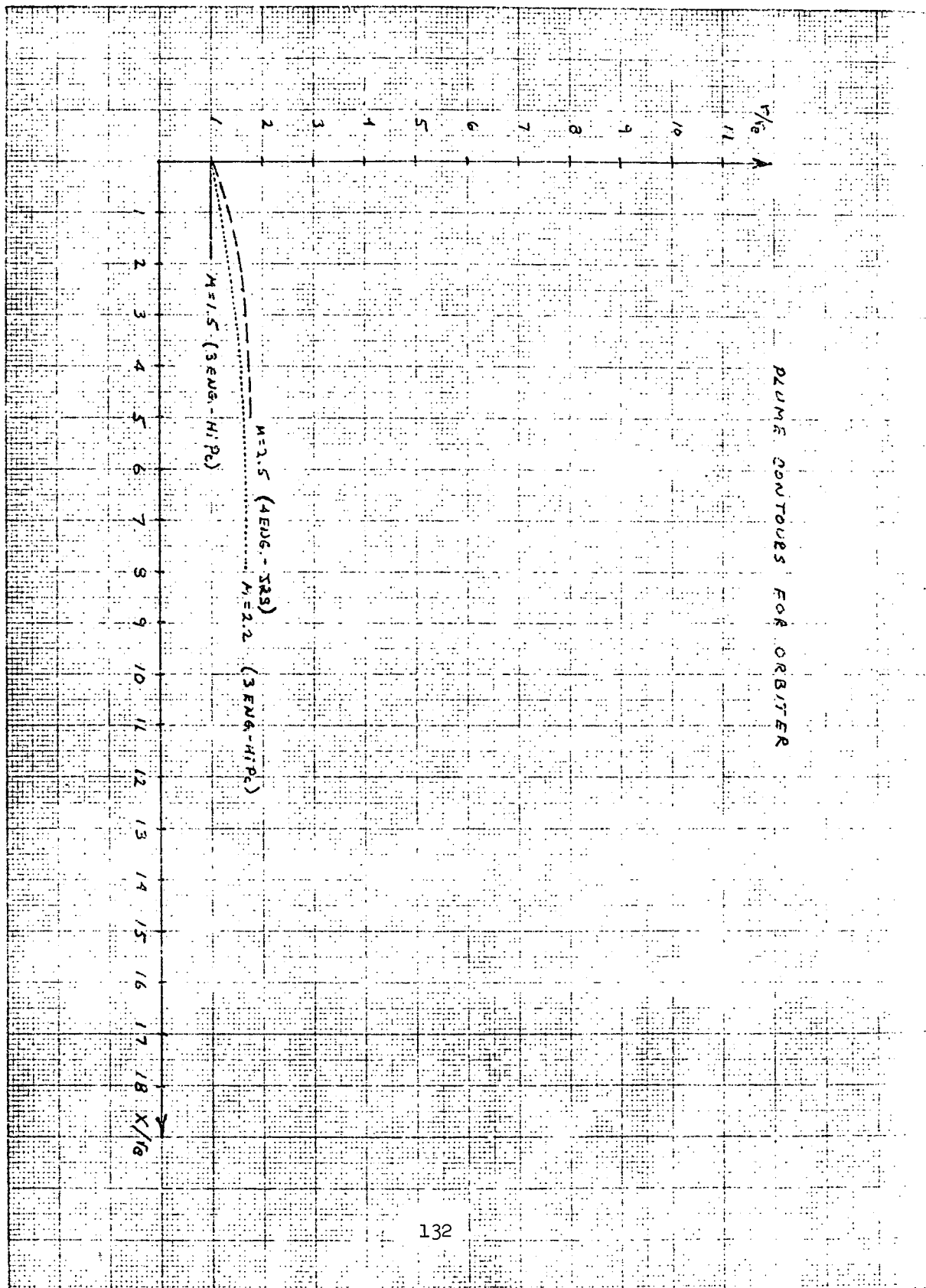
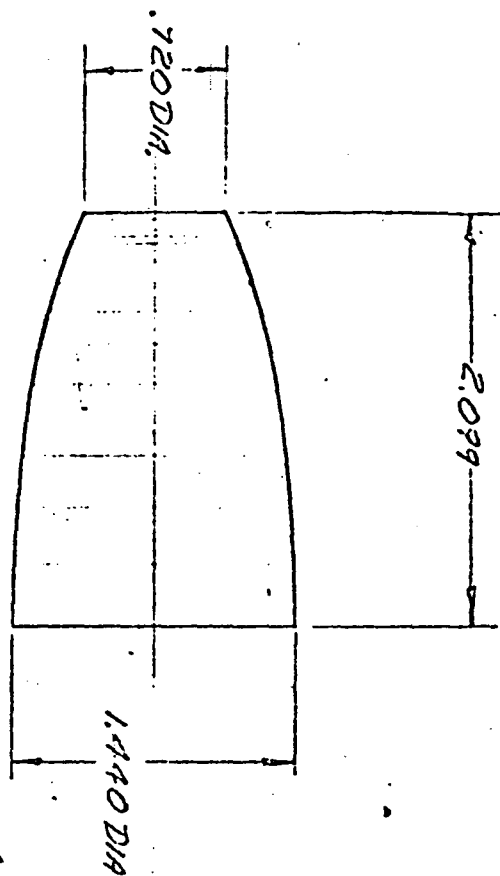
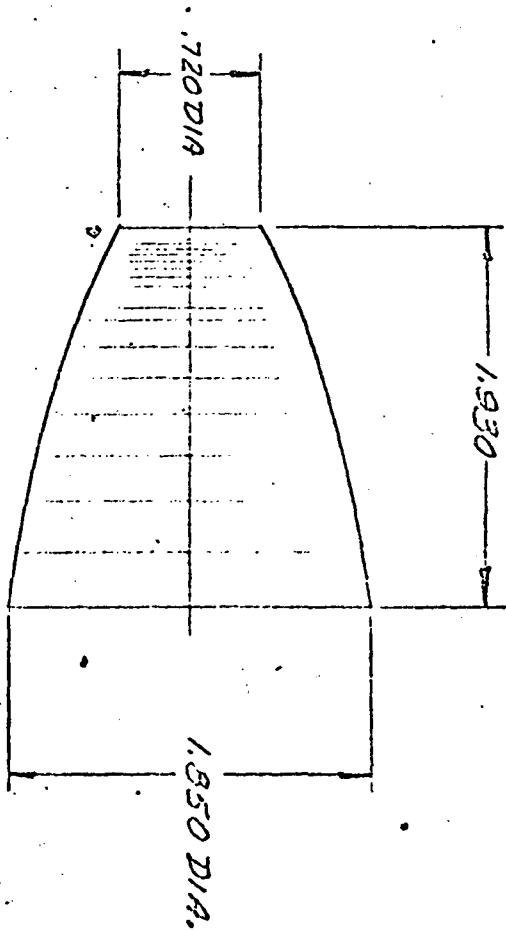


Figure 45. Plume Contour for Orbiter

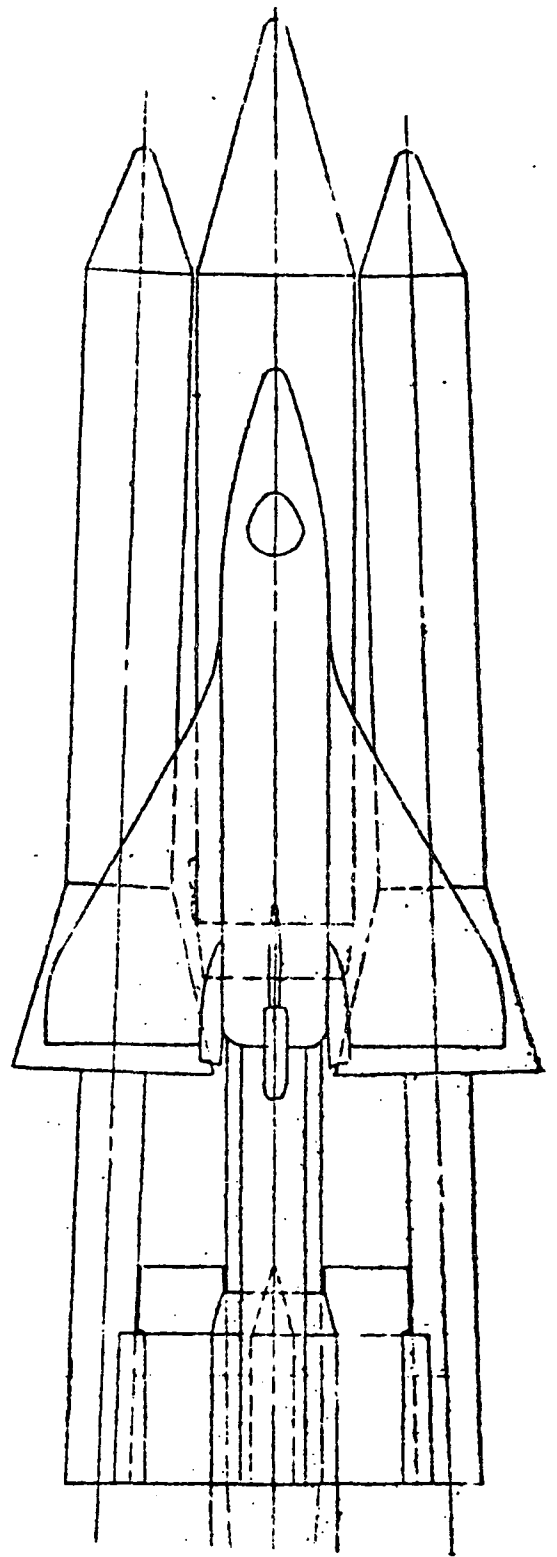


M1.5 PLUME - B7 BOOSTER



M2.2 PLUME - B7 BOOSTER

Figure 46. Sketch of Plume for Booster B<sub>7</sub>



MODEL SUPPORT SYSTEM DETAIL

Configuration shown  
provides independent  
support for boosters  
tank and orbiter.

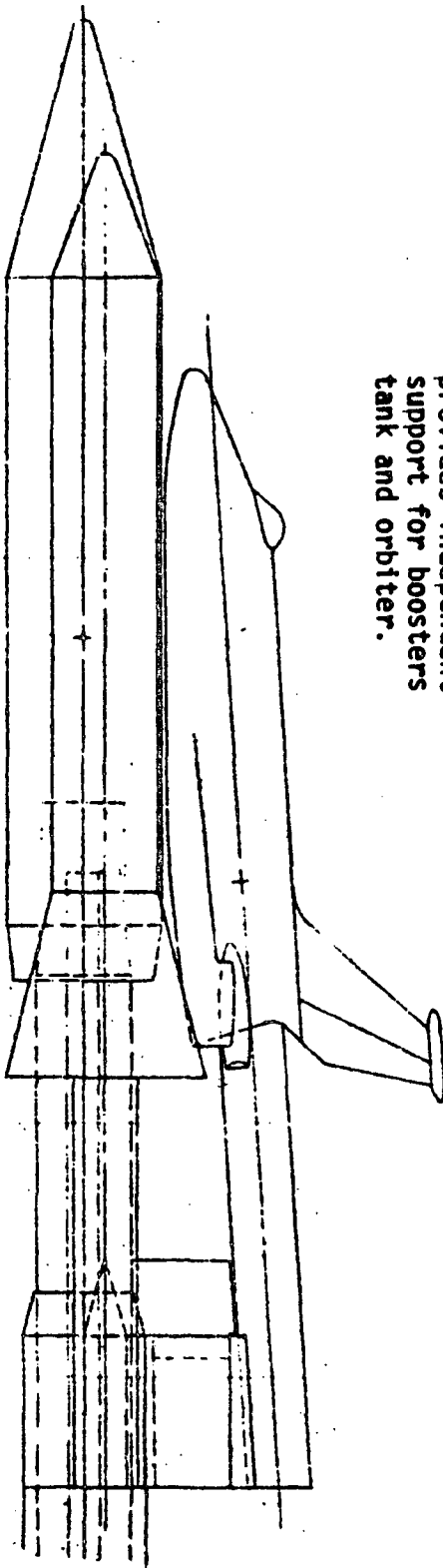


Figure 47. Tunnel Installation for the OBT Configuration-Pitch Series  
(Orbiter, Tank and Booster Independently Supported)

# TUNNEL INSTALLATION FOR THE OBT CONFIGURATION PITCH SERIES

Boosters and Orbiter fixed to centerline tank.

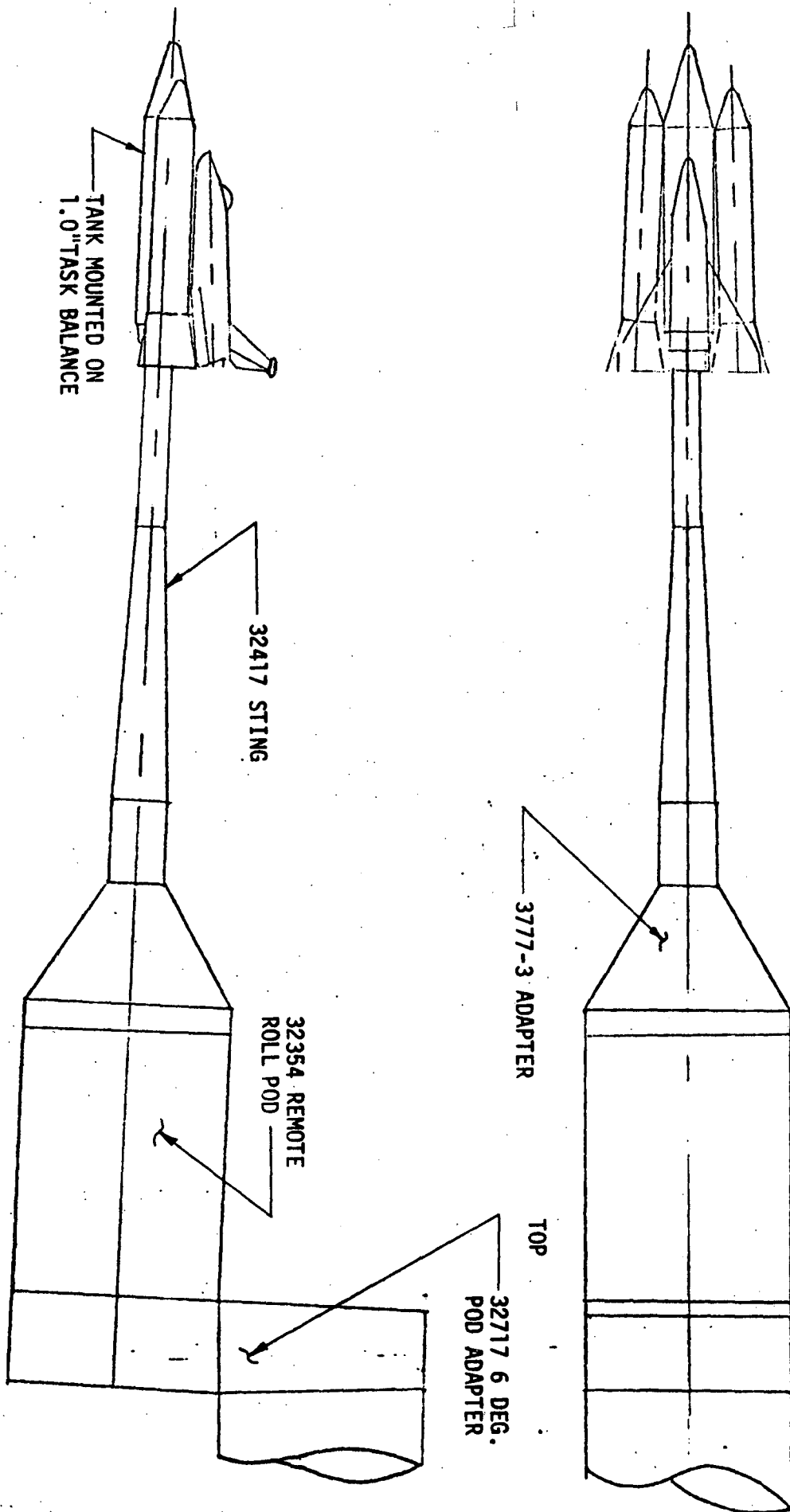


Figure 48. Tunnel Installation for the OBT Configuration-Pitch Series  
(Booster and Orbiter Fixed to Centerline Tank)



# TUNNEL INSTALLATION FOR THE OBT CONFIGURATION PITCH SERIES

Boosters fixed to centerline tank.

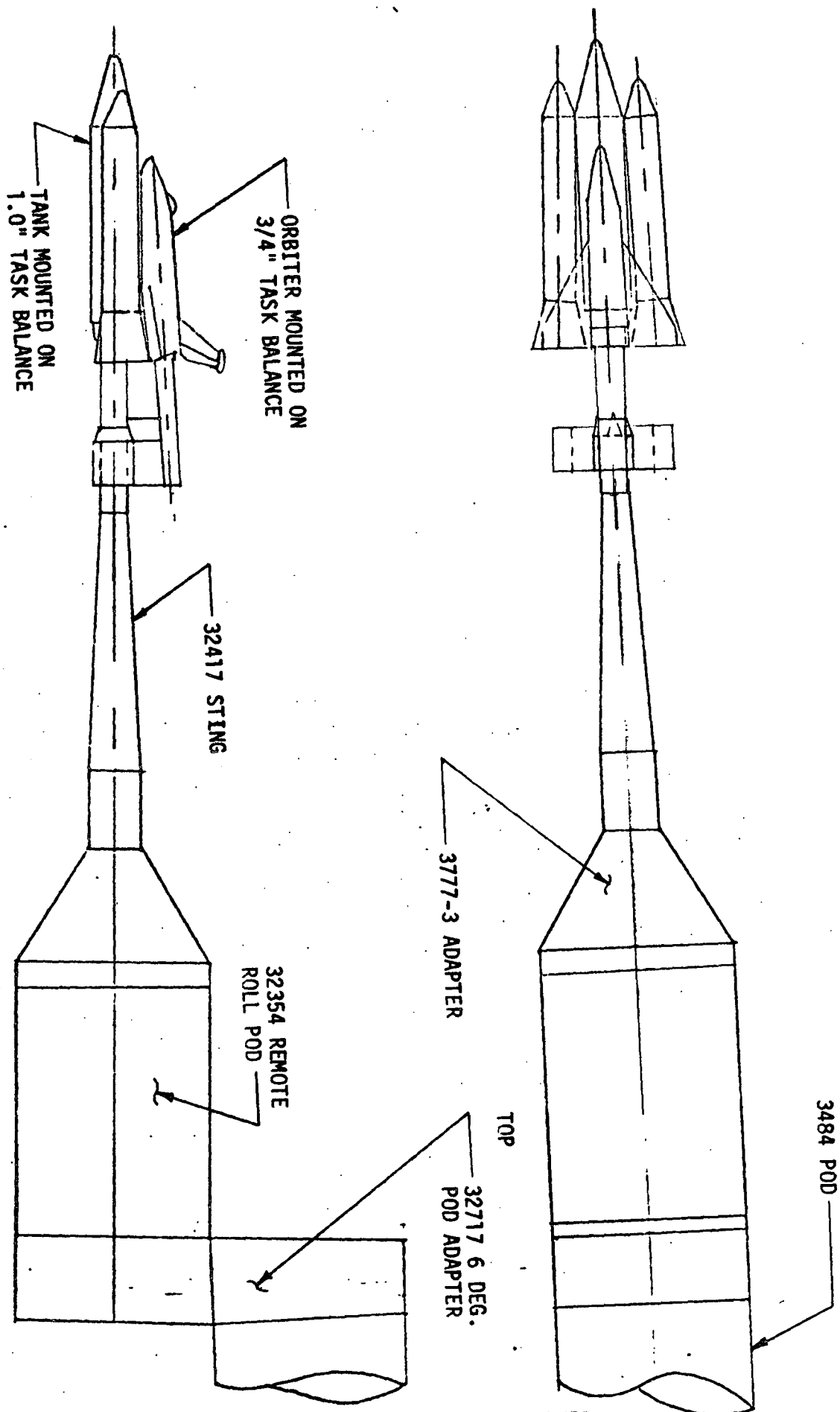


Figure 49. Tunnel Installation for the OBT Configuration-Pitch Series  
(Booster Fixed to Centerline Tank)

# TUNNEL INSTALLATION FOR THE OBT CONFIGURATION PITCH SERIES

Right Booster fixed to centerline tank, left Booster independently supported.

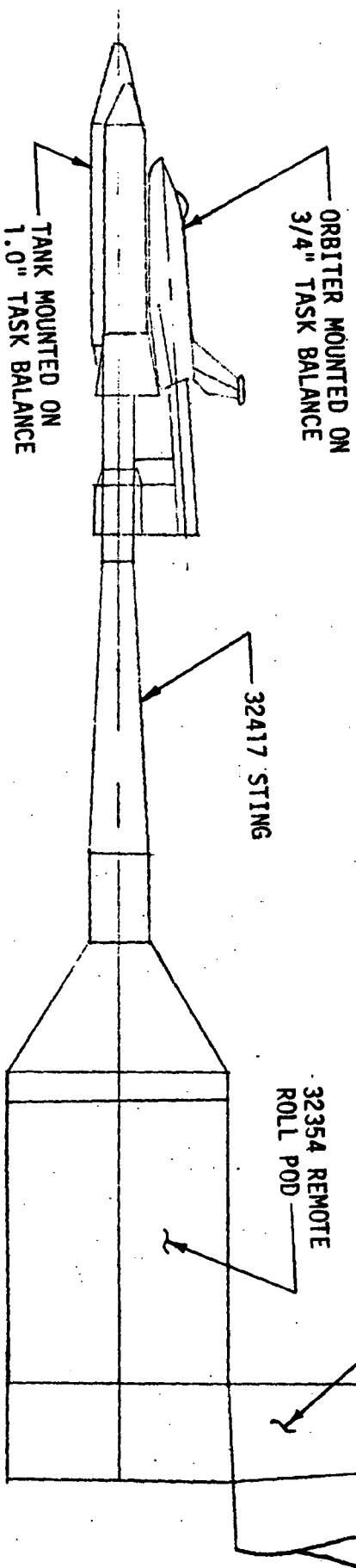
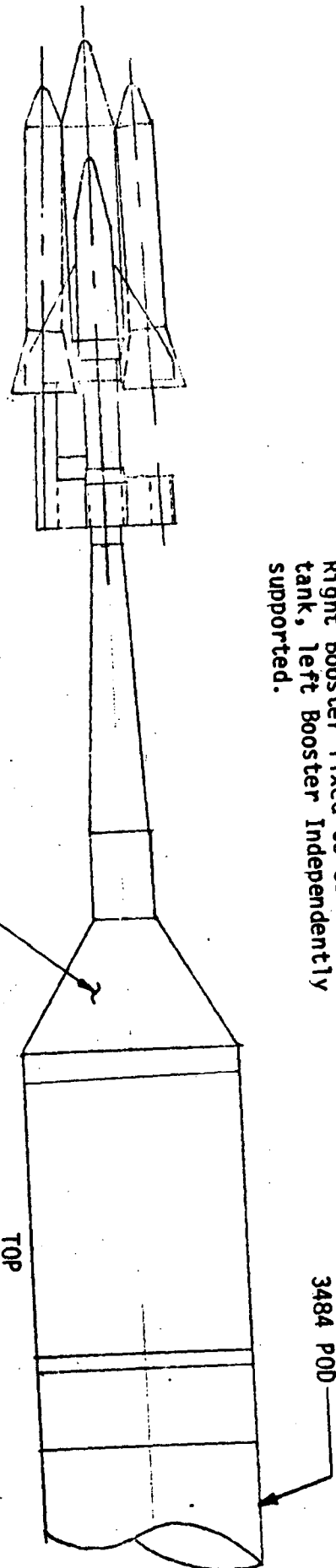


Figure 50. Tunnel Installation for the OBT Configuration-Pitch Series  
(Right Booster Fixed to Centerline Tank, Left Booster  
Independently Supported)

# TUNNEL INSTALLATION FOR THE OBT CONFIGURATION PITCH SERIES

Left and Right boosters independently supported with centerline tank, T1 in forward position.

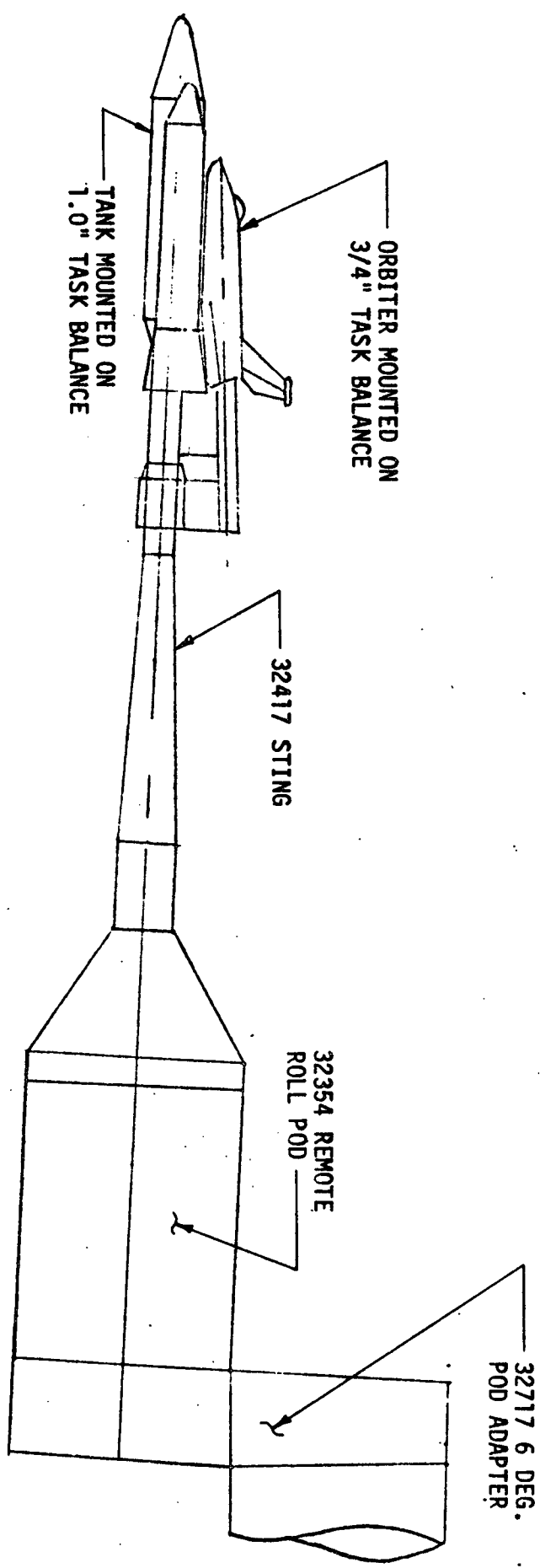
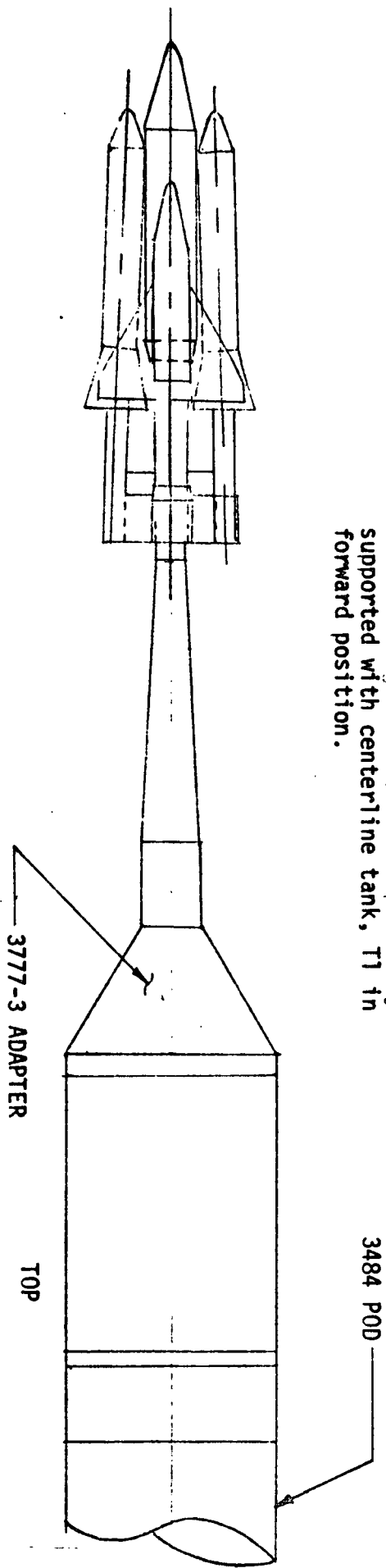


Figure 51. Tunnel Installation for the OBT Configuration-Pitch Series  
(Left and Right Booster Independently Supported)

# TUNNEL INSTALLATION FOR THE OBT CONFIGURATION PITCH SERIES

6° Sideslip Angle  
Boosters fixed to centerline tank

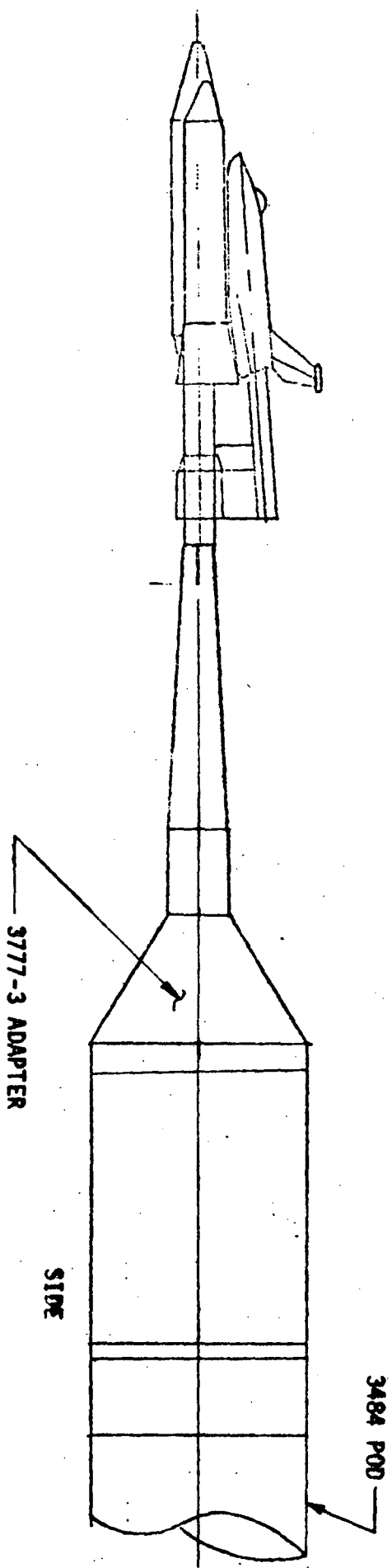
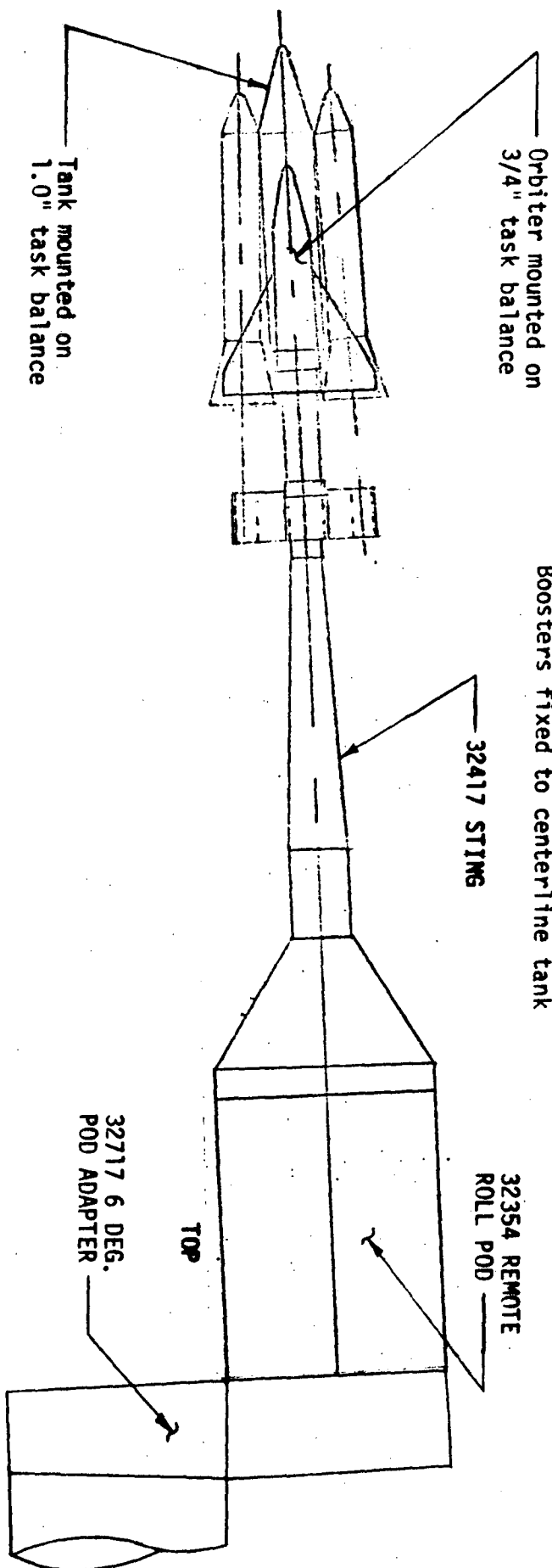


Figure 52. Tunnel Installation for the OBT Configuration With 6° Sideslip Angle-Pitch Series (Boosters Fixed to Centerline Tank)

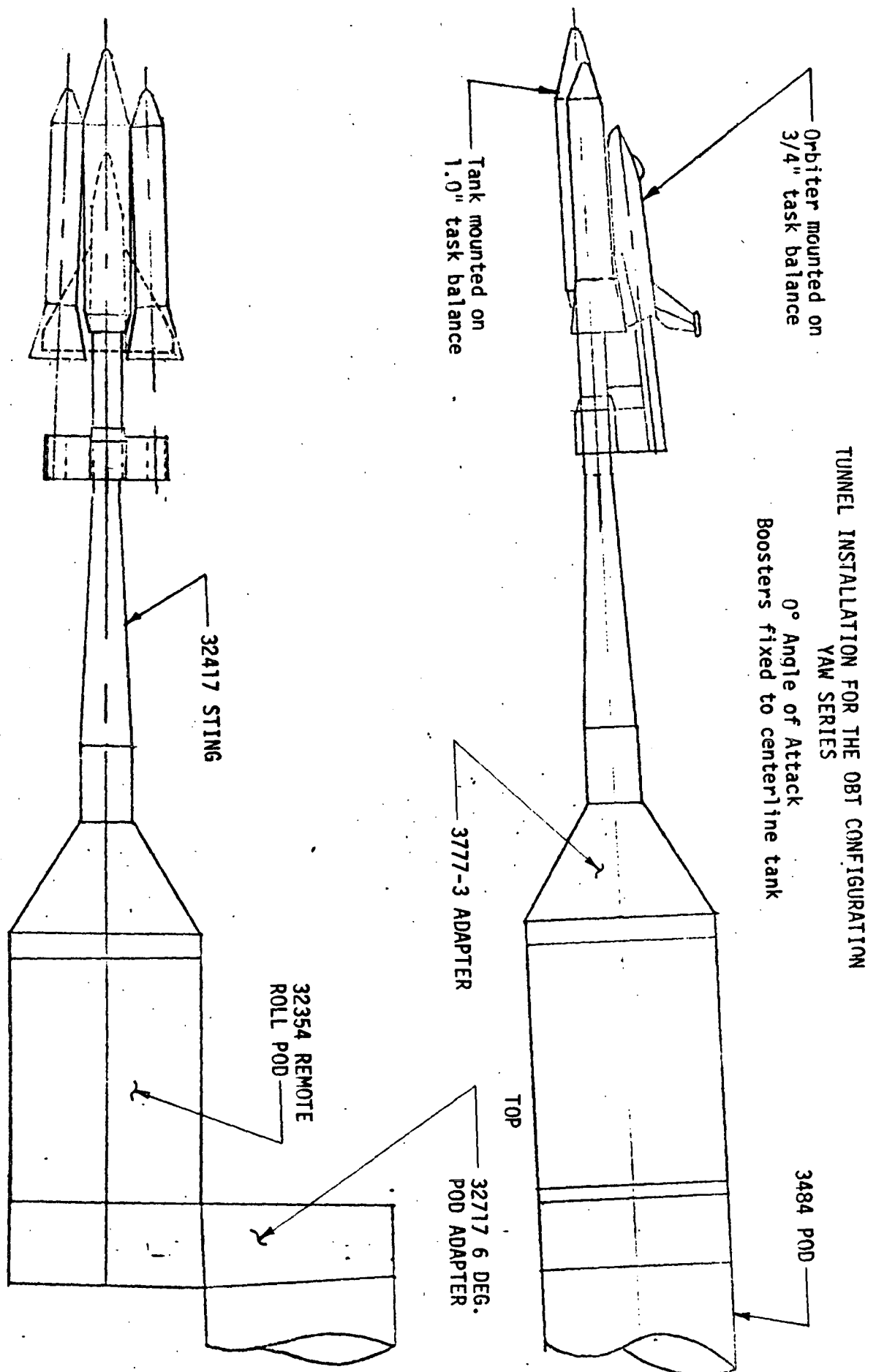


Figure 53. Tunnel Installation for the OBT Configuration with 0° Angle of Attack-Yaw Series (Boosters Fixed to Centerline Tank)

# TUNNEL INSTALLATION FOR THE OBT CONFIGURATION YAW SERIES

6° Angle of Attack  
Boosters fixed to centerline tank

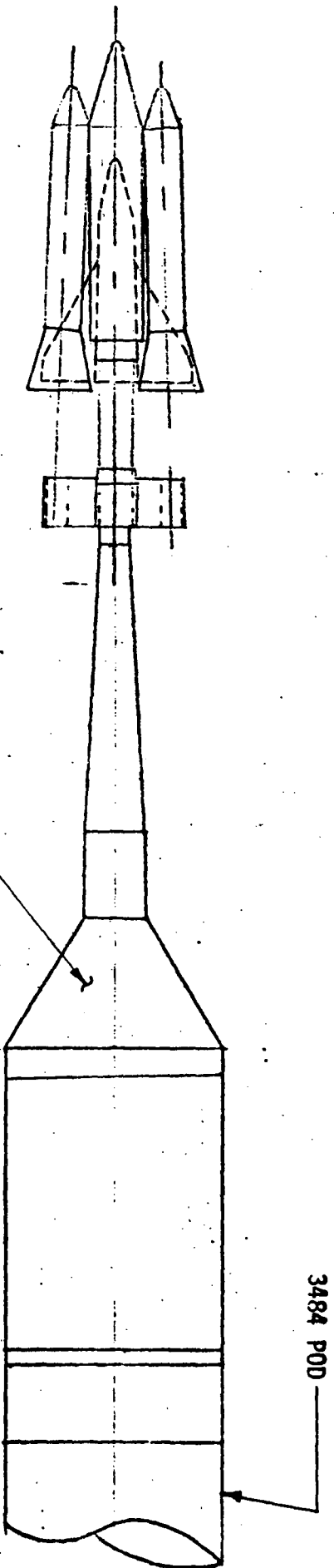
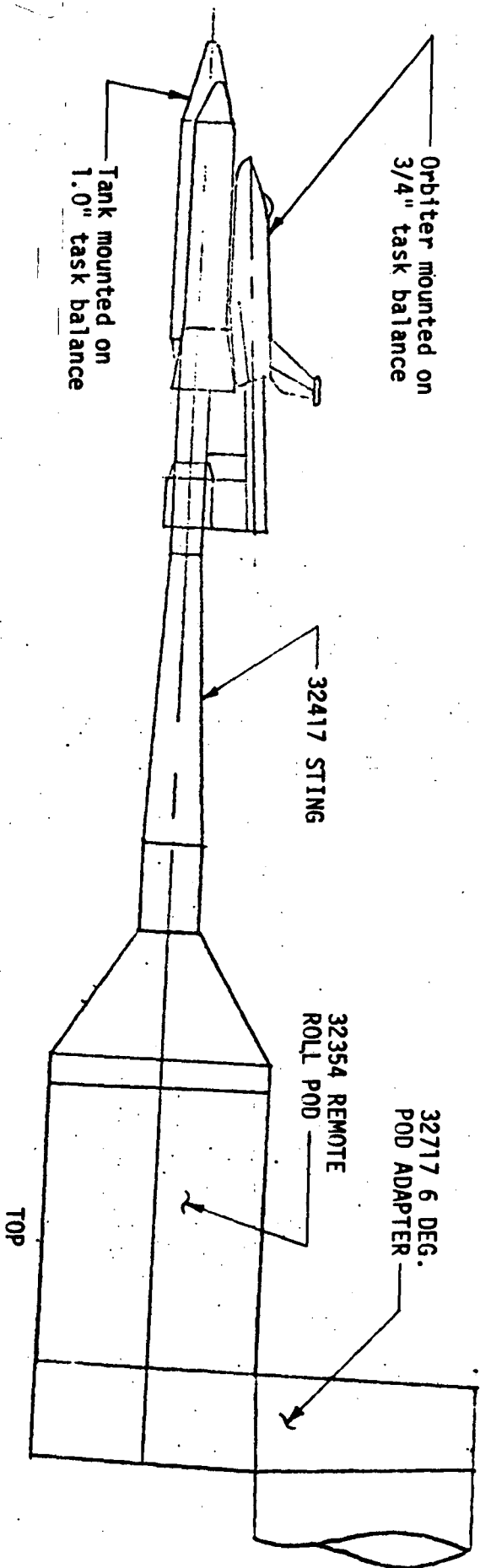


Figure 54. Tunnel Installation for the OBT Configuration With 6° Angle of Attack-Yaw Series (Boosters Fixed to the Centerline Tank)

TUNNEL INSTALLATION FOR THE OBT CONFIGURATION  
PITCH SERIES  
Orbiter alone

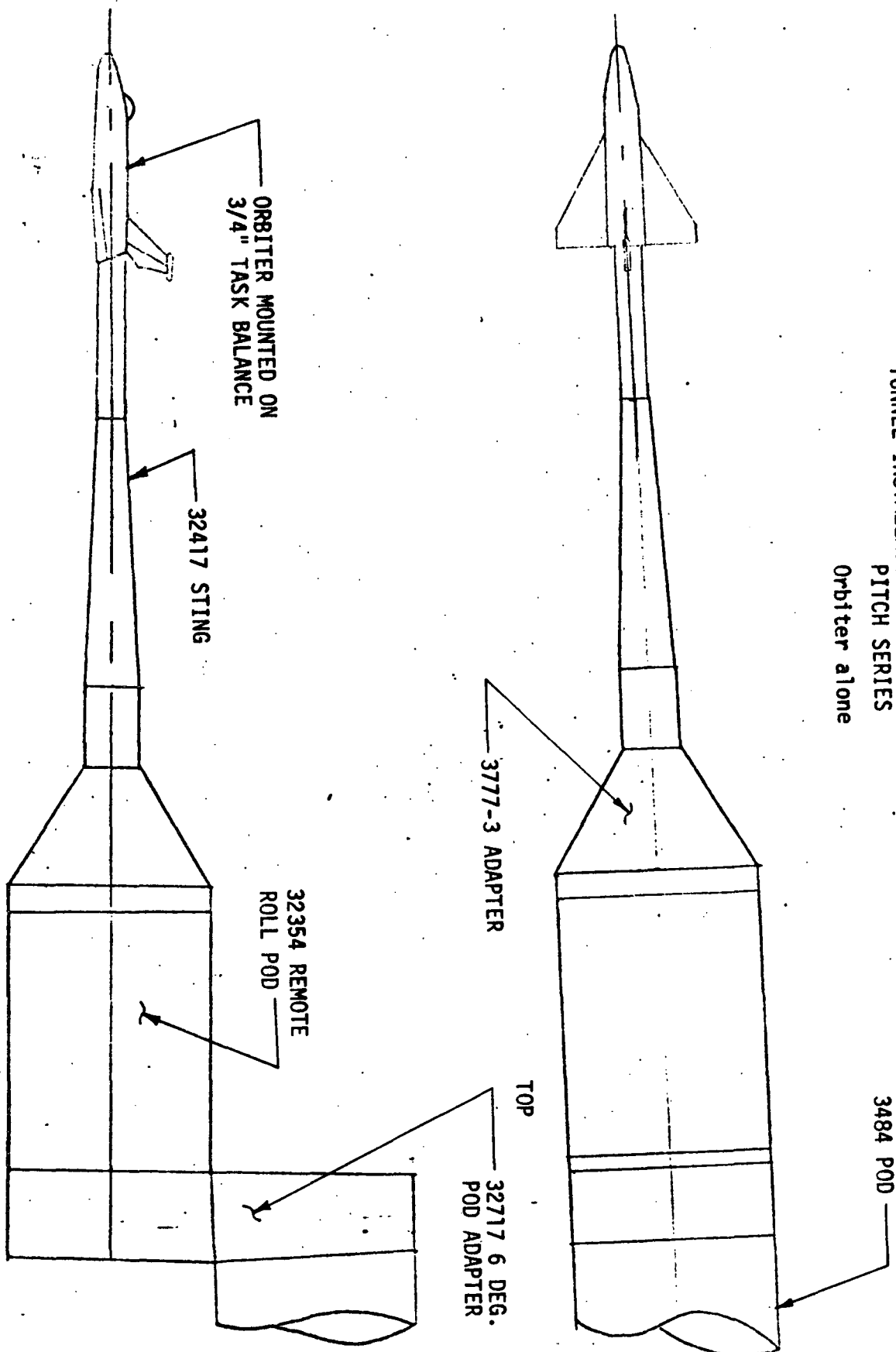
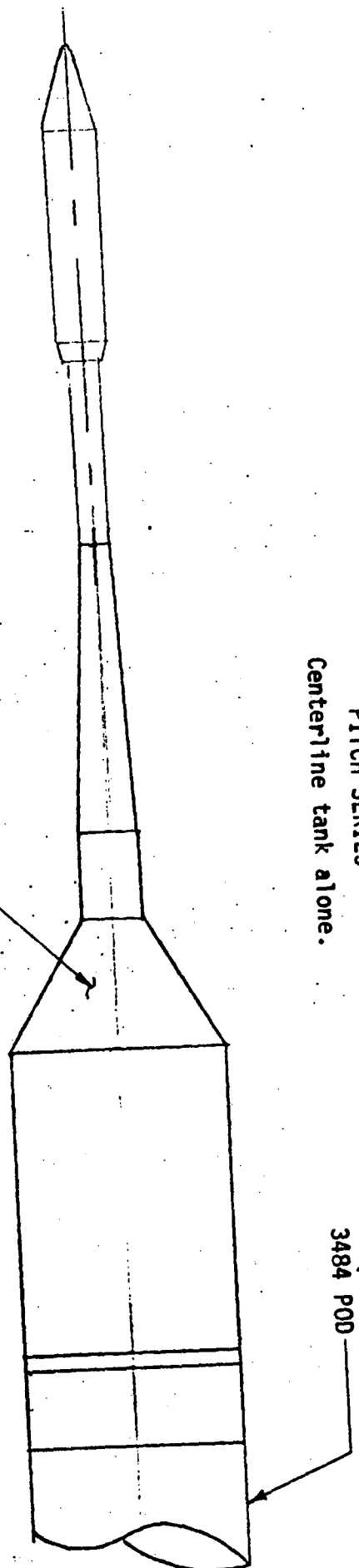


Figure 55. Tunnel Installation for the Orbiter Alone Configuration

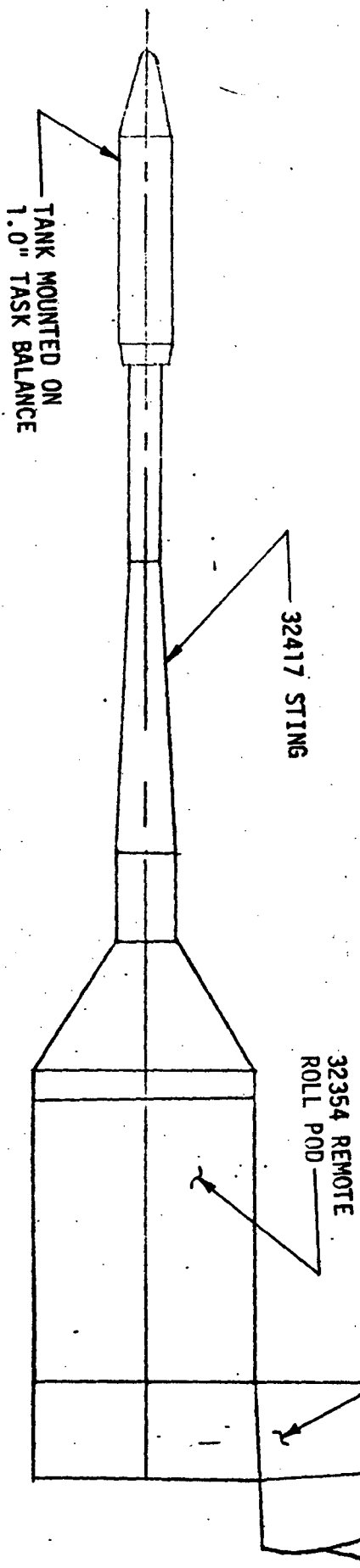
TUNNEL INSTALLATION FOR THE OBT CONFIGURATION  
PITCH SERIES

Centerline tank alone.



TOP

32717 6 DEG.  
POD ADAPTER



SIDE

Figure 56. Tunnel Installation for the Tank Alone Configuration



TUNNEL INSTALLATION FOR THE OBT CONFIGURATION  
PITCH SERIES  
Booster alone

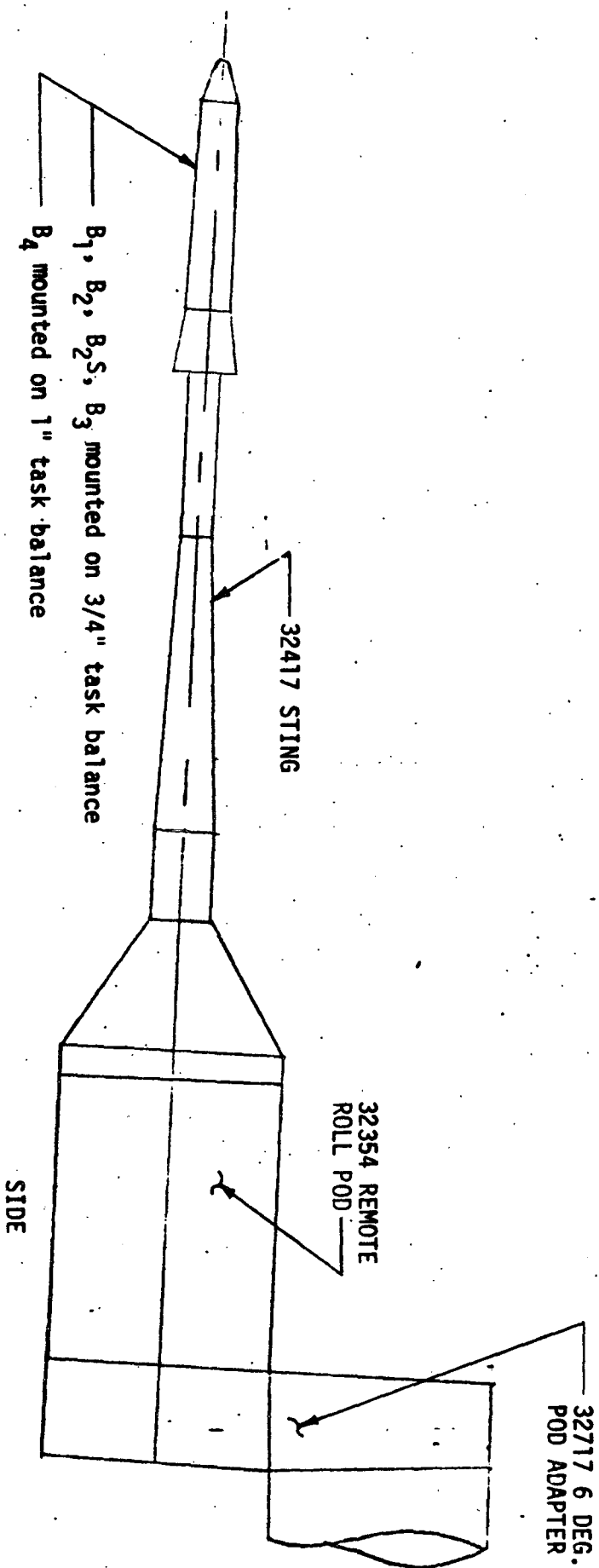
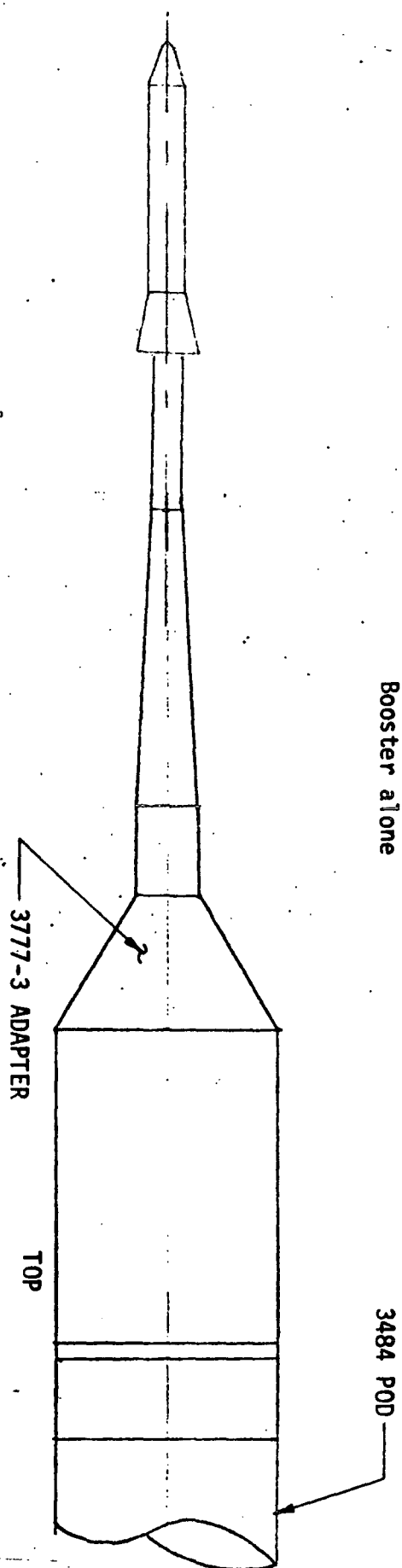


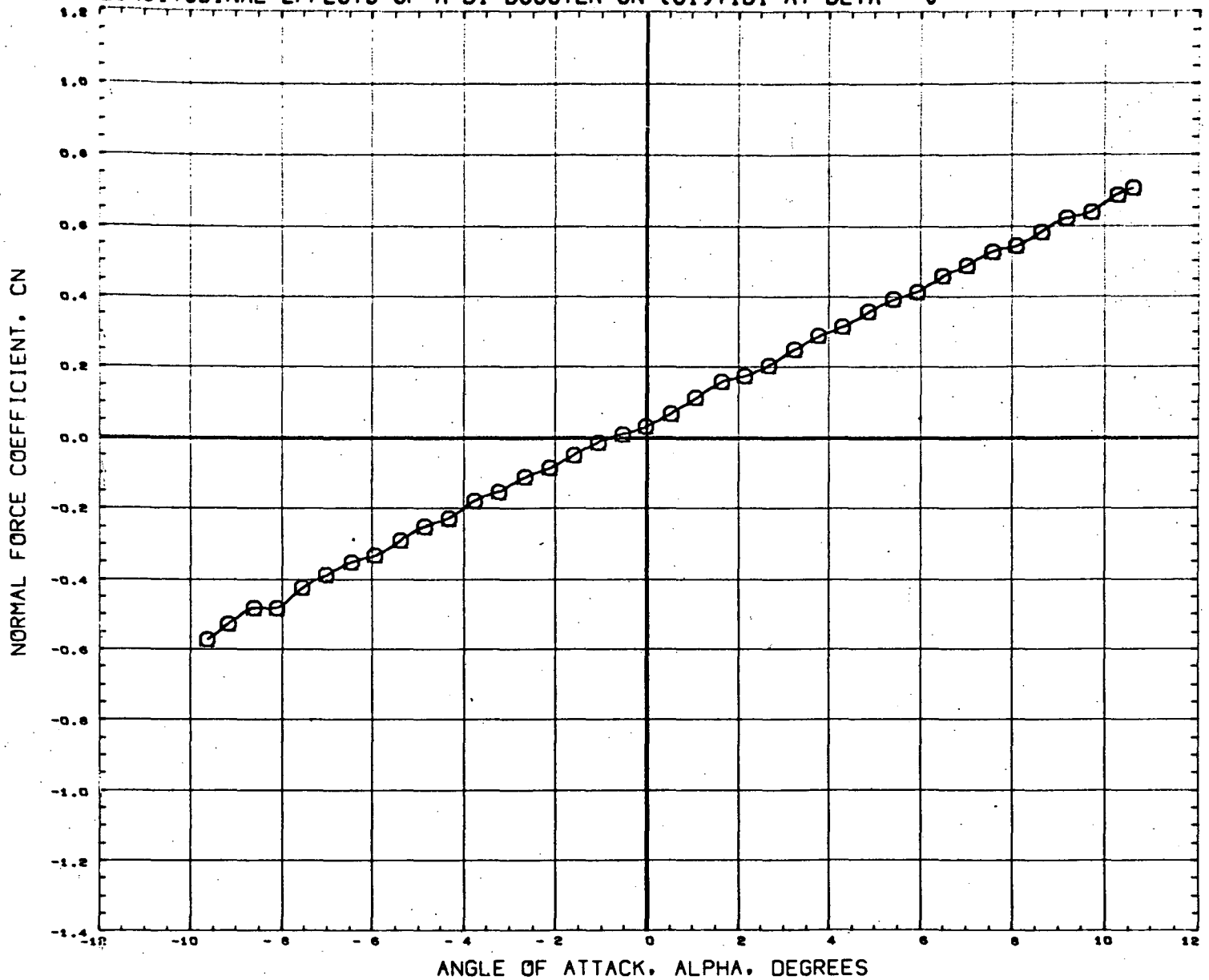
Figure 57. Tunnel Installation for the Booster Alone Configuration

## DATA      FIGURES

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Tabulations of the plotted data and corresponding  
source data are available from SADSAC Operations.

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T1B1 AT BETA = 0



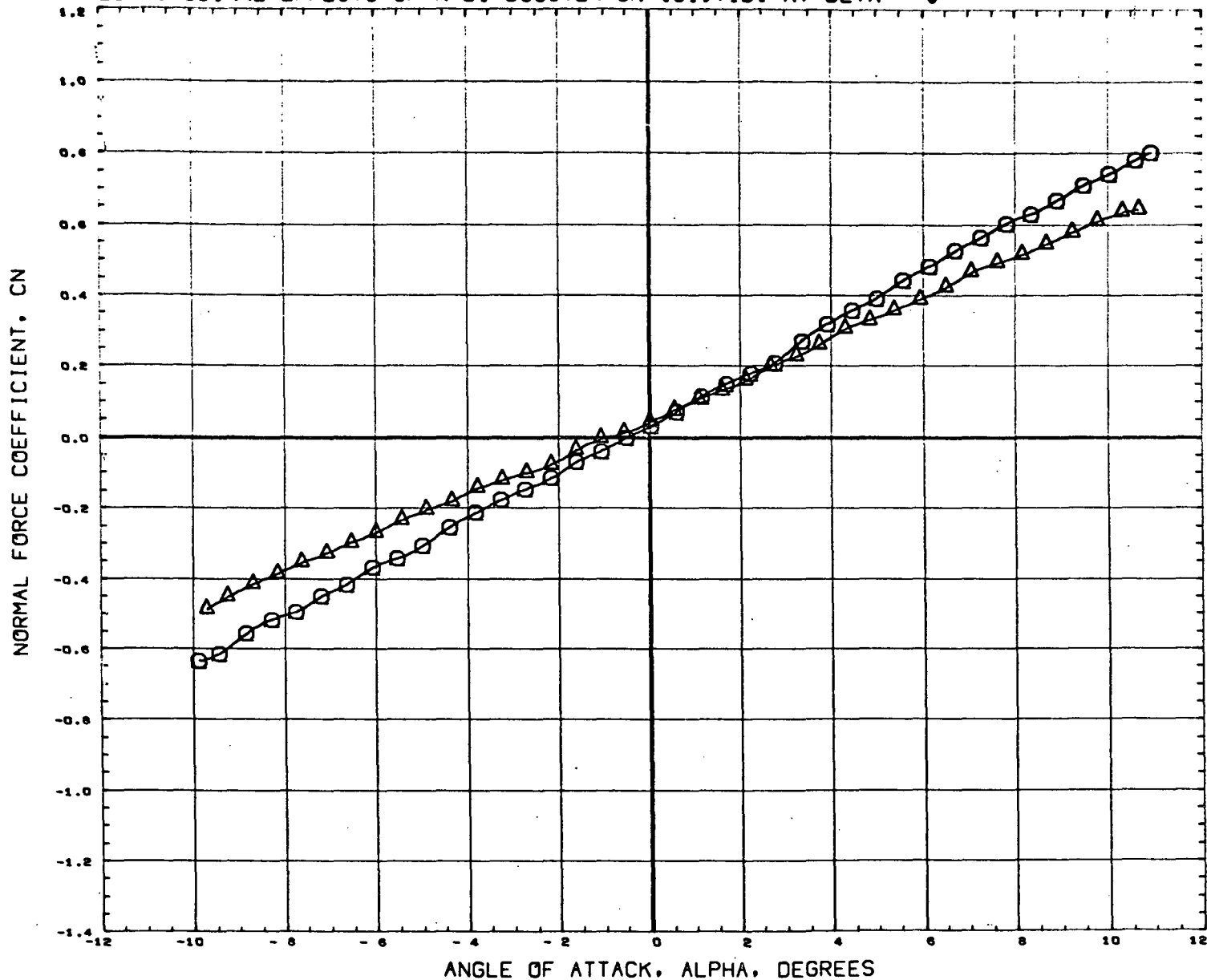
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
(CD7401)       MDAC S-222 COMPOSITE(T-C6) (O1)T1B1  
(CD7403)       DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	662.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .59

PAGE 1

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0



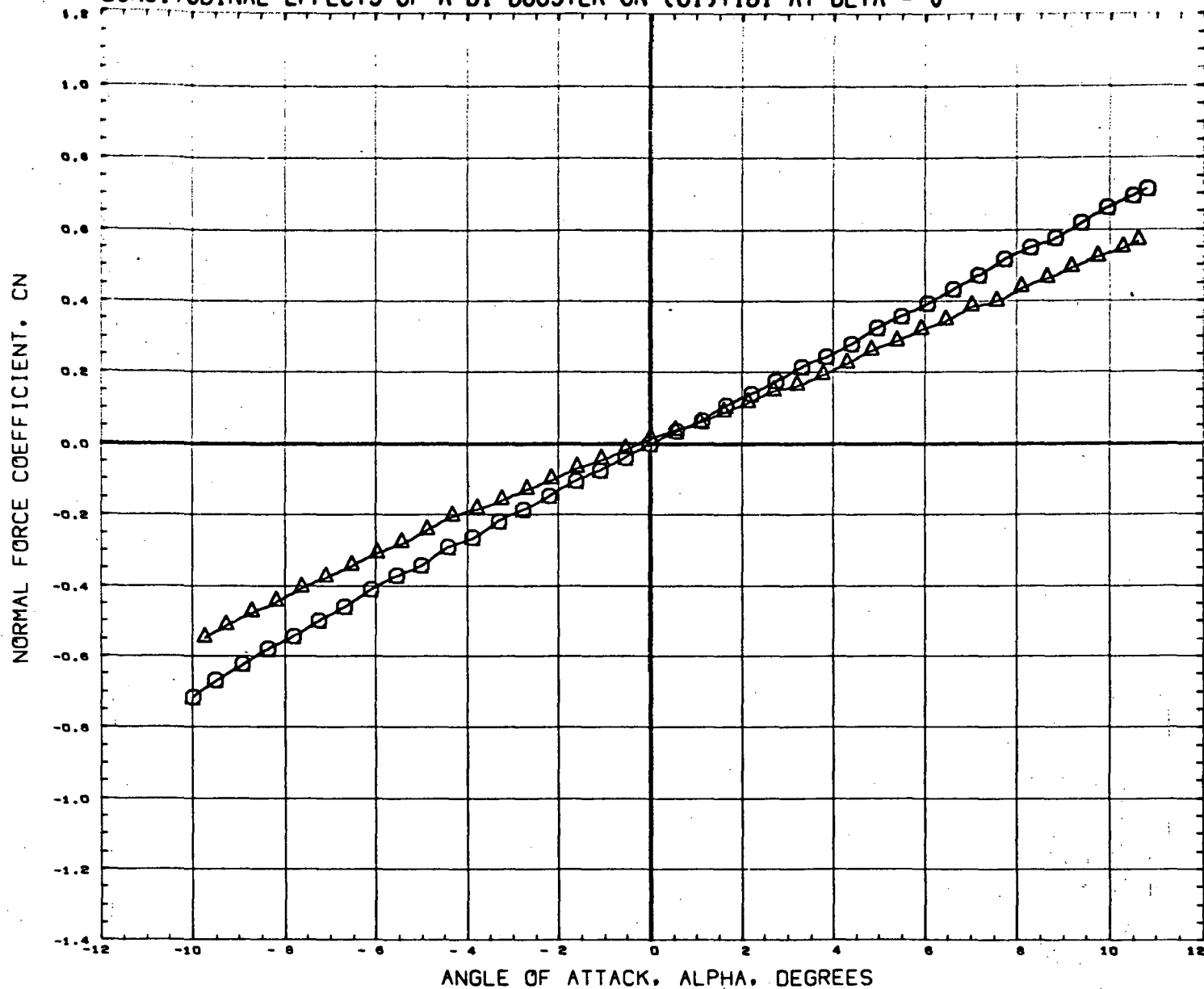
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7401)    MDAC S-222 COMPOSITE (T-CG) (01)T1B1  
 (CD7405)    MDAC S-222 COMPOSITE (T-CG) (01)T1B1L (B1R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRF	557.0004 IN.
				YMRF	0.0000 IN.
				ZMRF	200.0004 IN.
				SCALE	0.0060

MACH .90

PAGE 2

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0



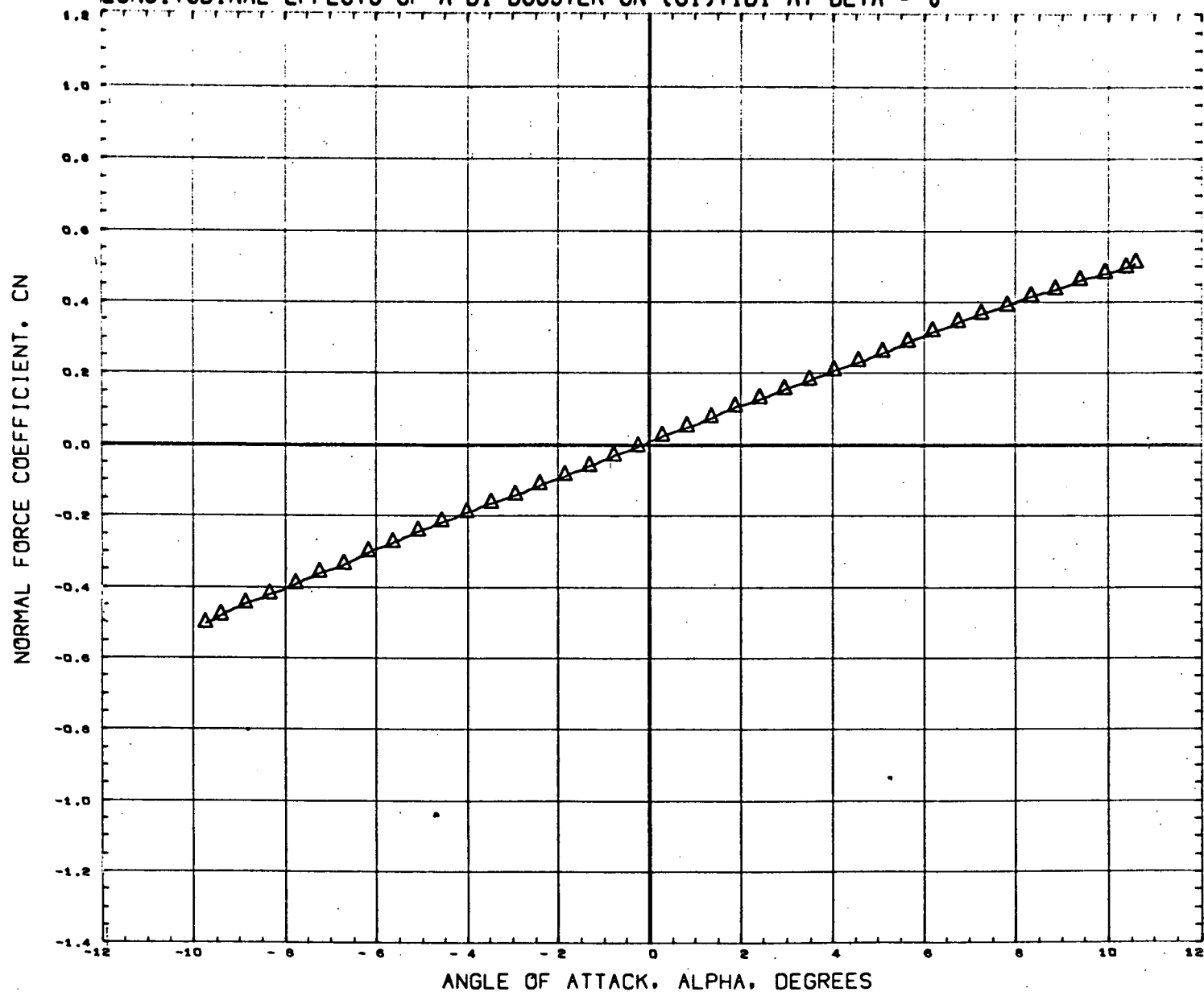
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(CD7405)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1L(B1R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRF	557.0004 IN.
				YMRF	0.0000 IN.
				ZMRF	200.0004 IN.
				SCALE	0.0060

MACH 1.10

PAGE 3

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0

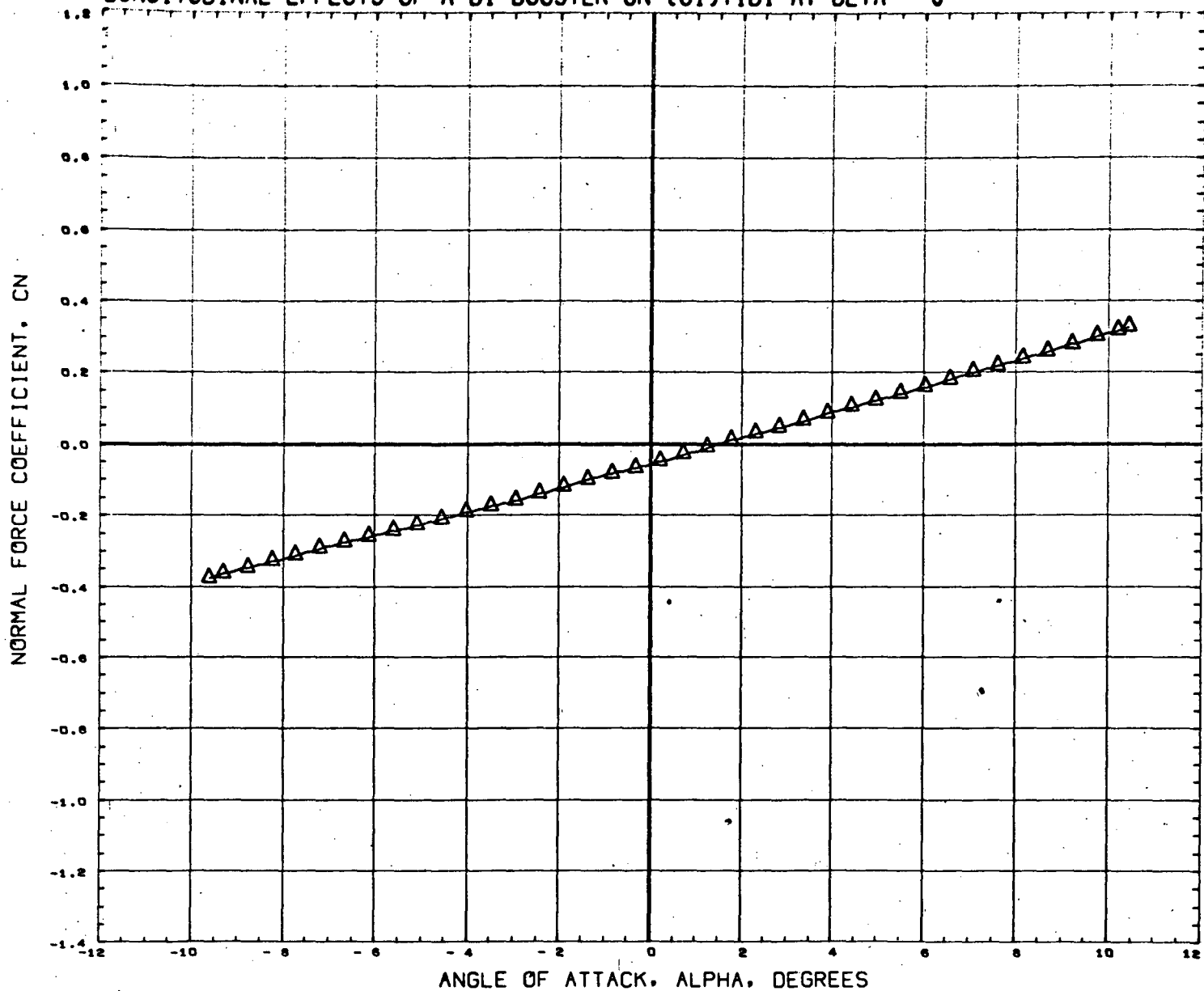


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07401)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07405)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 4

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T1B1 AT BETA = 0



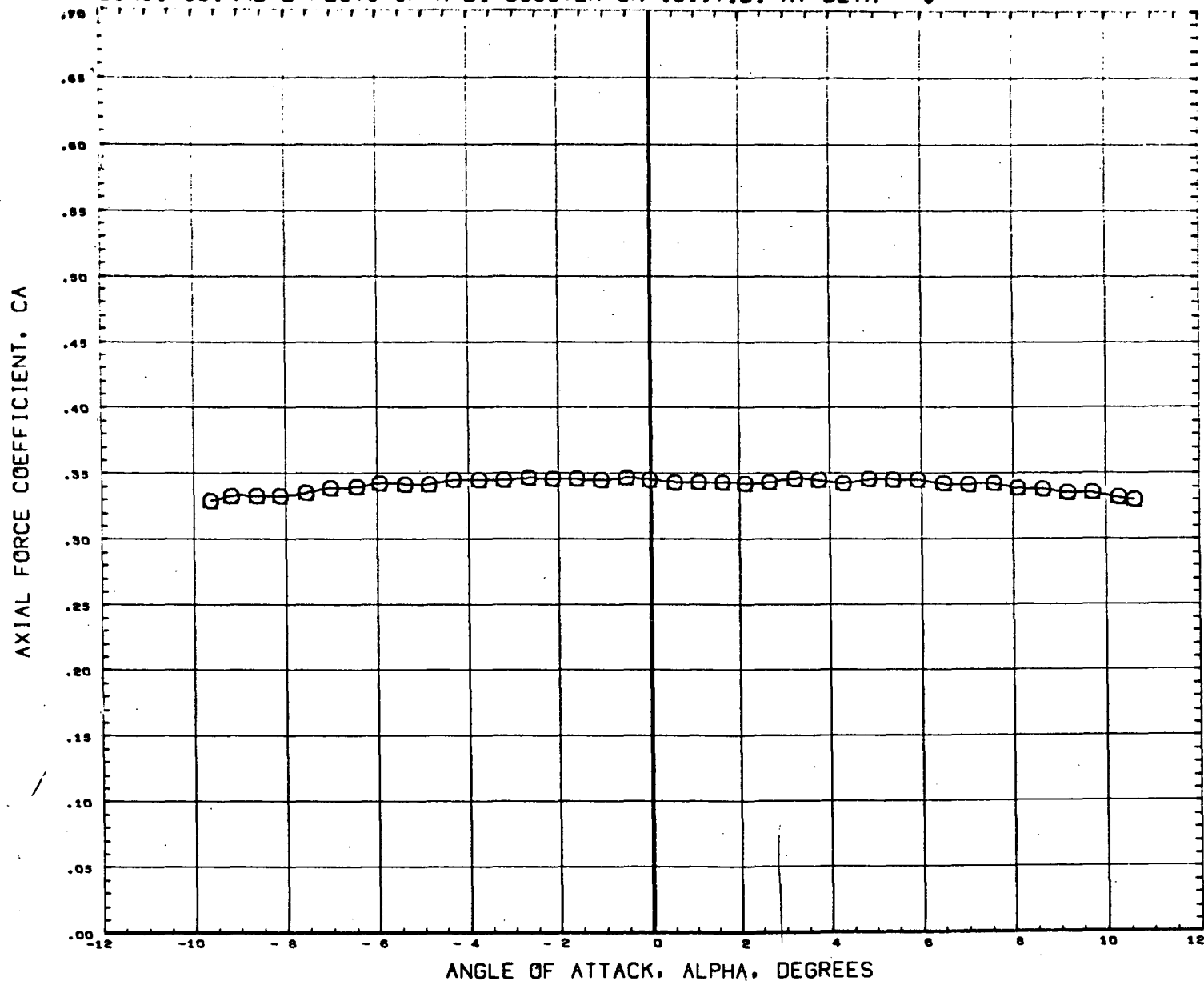
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7401) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7405) MDAC S-222 COMPOSITE (T-CG) (O1)T1B1L (B1R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.9004 IN.
				BREF	682.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

PAGE 5

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
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 (C07403) A DATA NOT AVAILABLE FOR ALL CONDITIONS

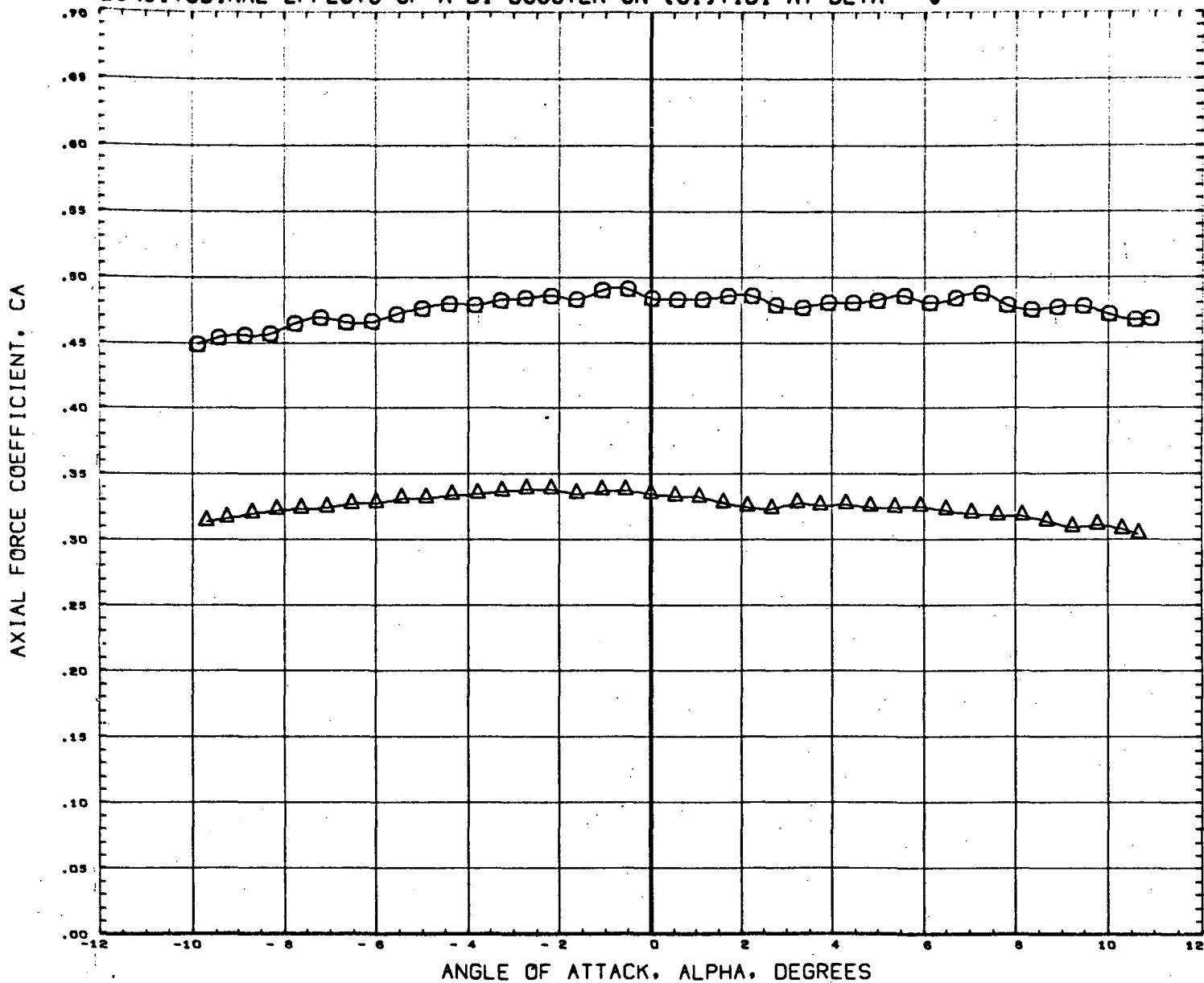
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
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0.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	882.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH .59

PAGE 6



# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T1B1 AT BETA = 0

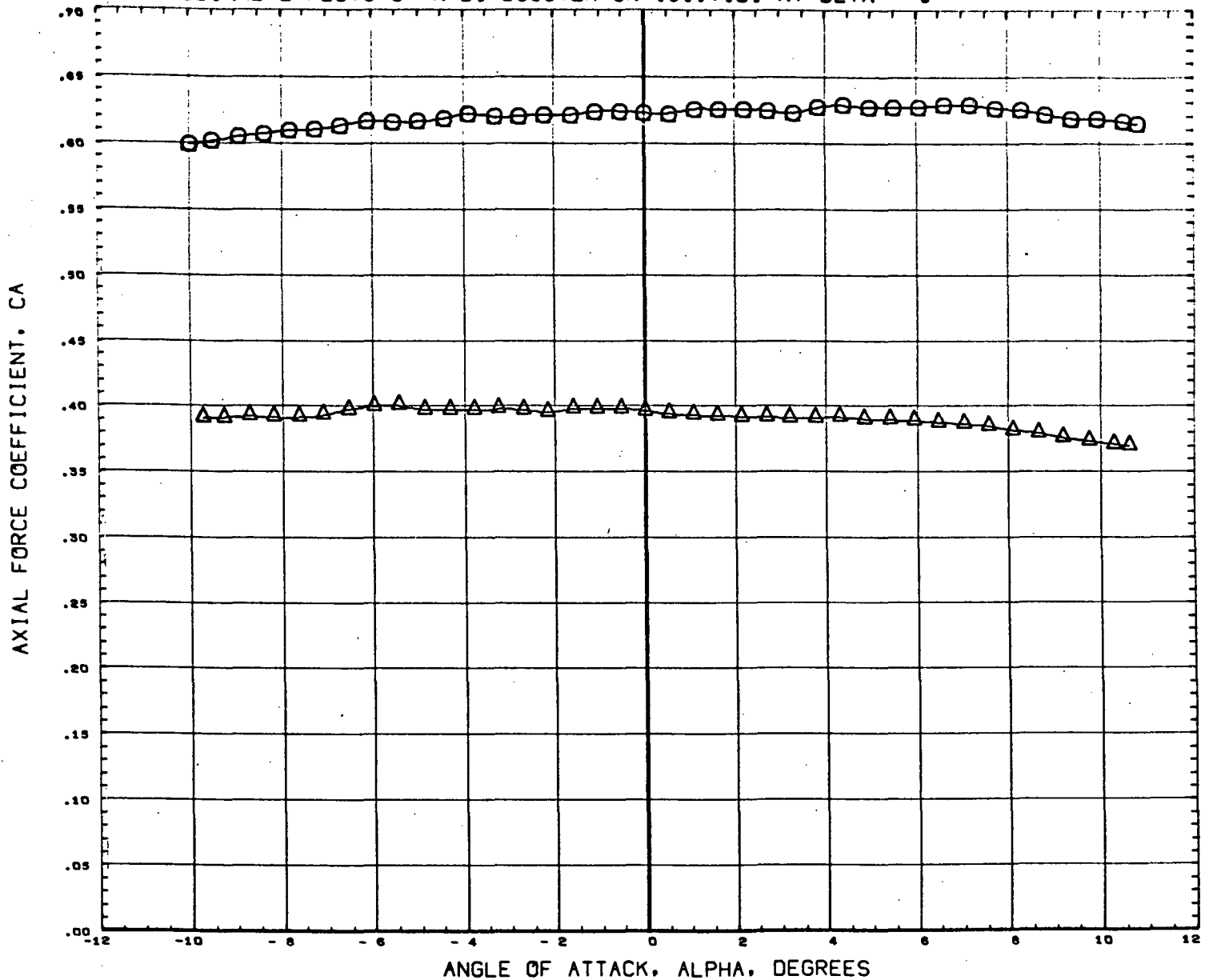


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7401)	MDAC S-222 COMPOSITE(T-CG) (O1)T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7405)	MDAC S-222 COMPOSITE(T-CG) (O1)T1B1L(B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 7

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T1B1 AT BETA = 0

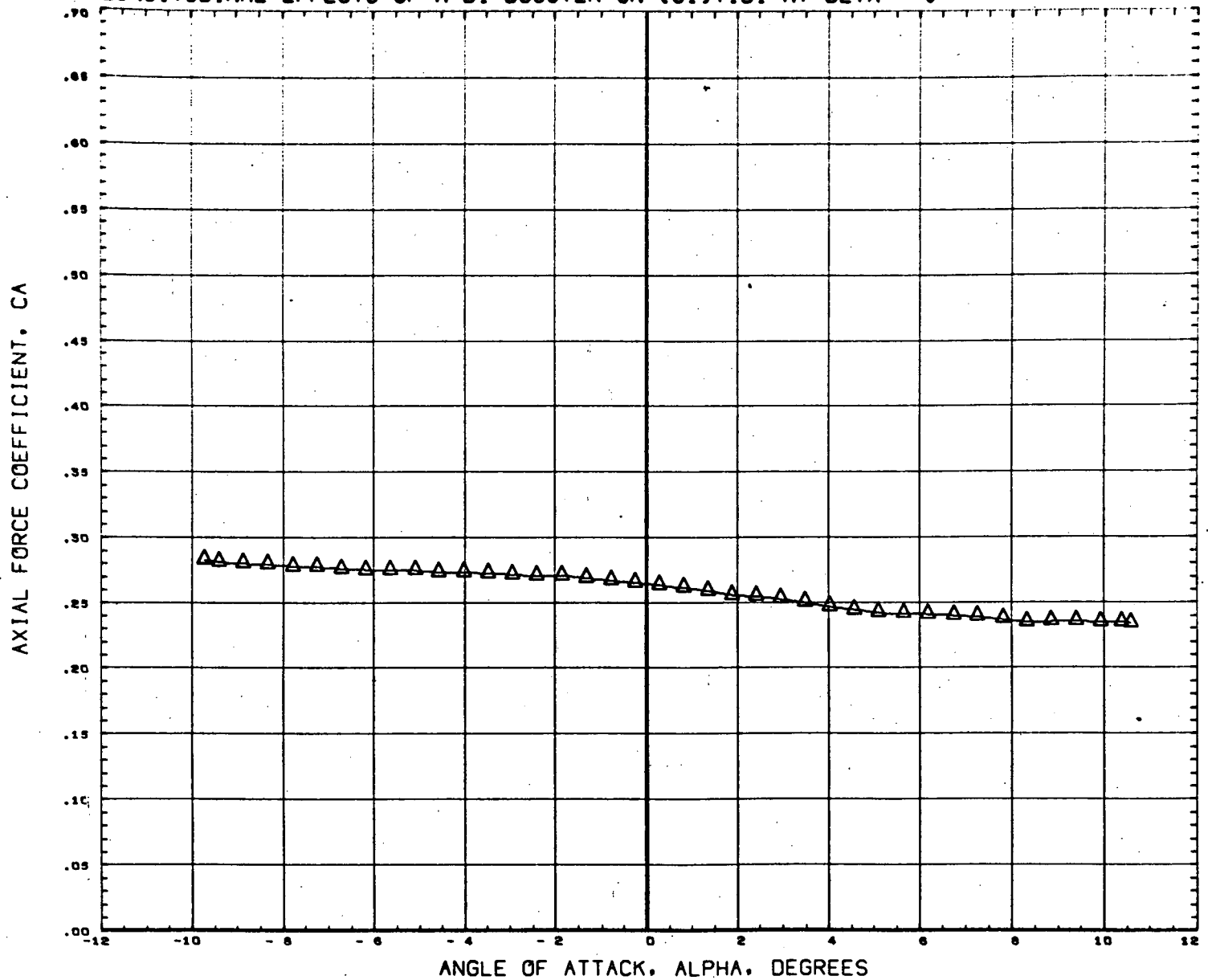


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7401)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7405)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	662.0004 IN.
						XMRP	537.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

PAGE 8

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0



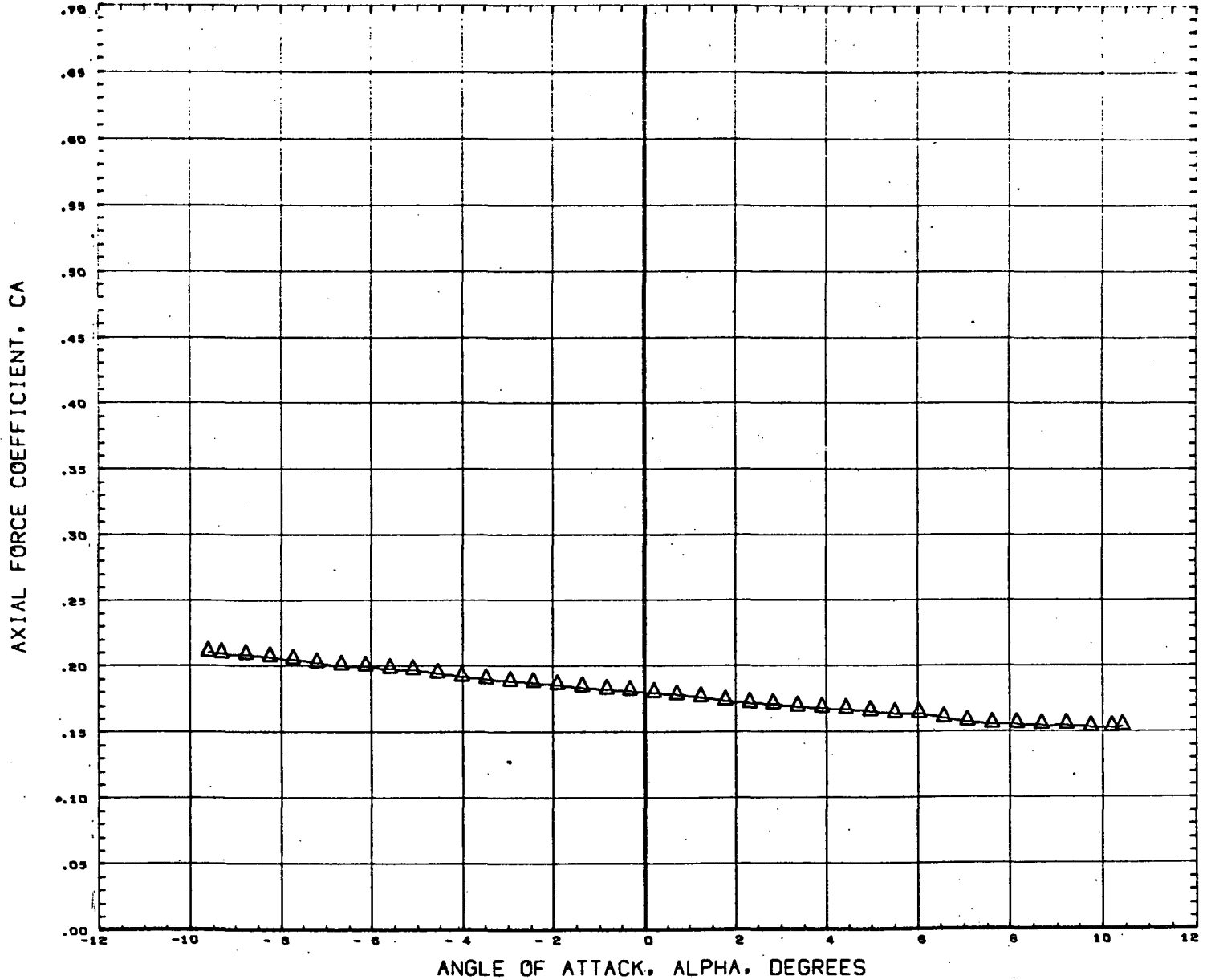
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 (CD7405)    A    MDAC S-222 COMPOSITE (T-CG) (01)T1B1L (B1R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
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0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRF	557.0004 IN.
				YMRF	0.0000 IN.
				ZMRF	200.0004 IN.
				SCALE	0.0060

MACH            2.20

PAGE            9

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7401) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7405) MDAC S-222 COMPOSITE(T-CG) (01)T1B1L(B1R)

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 0.000 0.000 0.000 0.000

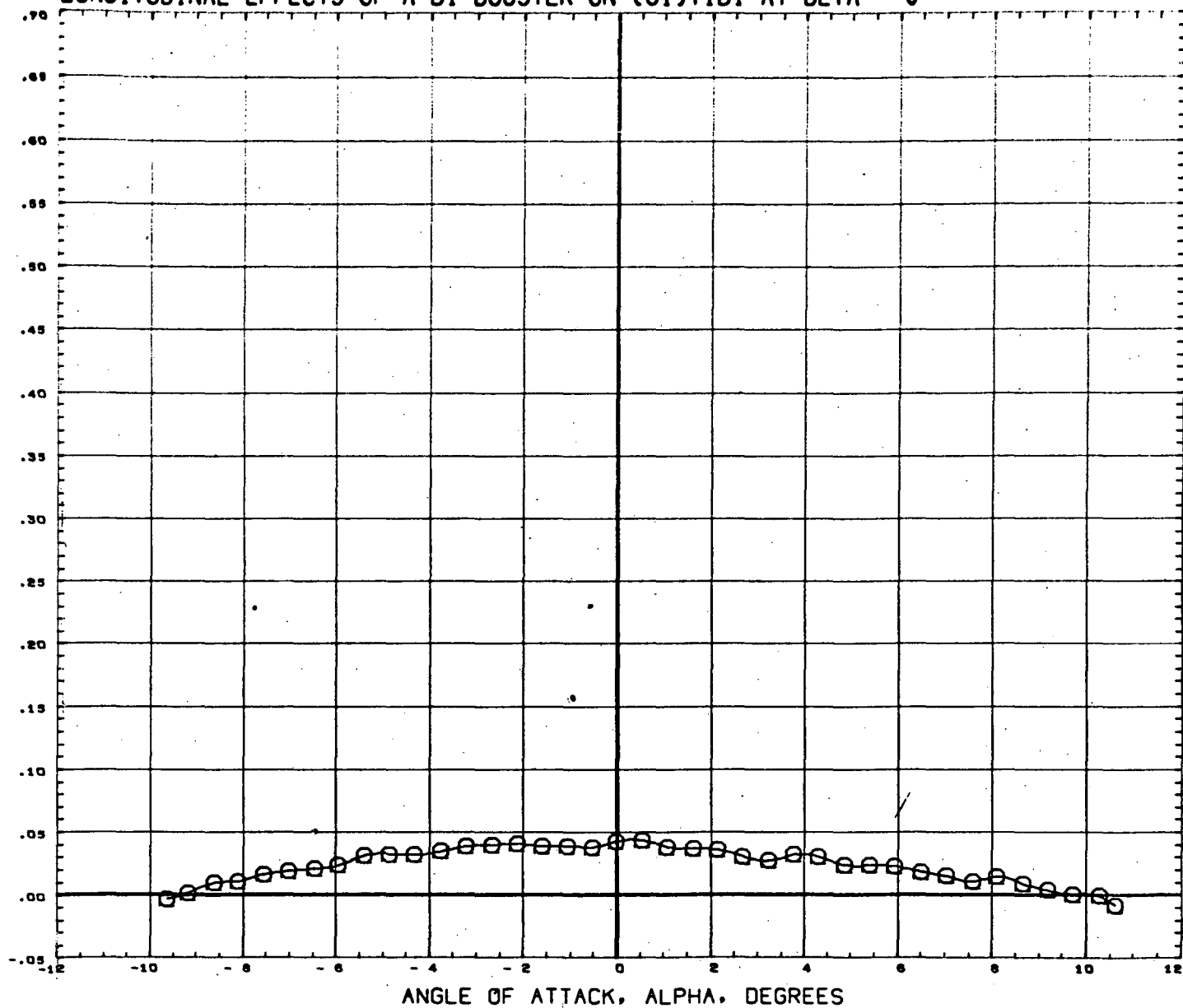
REFERENCE INFORMATION  
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 LREF 609.5004 IN.  
 BREF 862.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH 4.47

PAGE 10

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF



DATA SET SYMBOL CONFIGURATION DESCRIPTION

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 (CD7405)  $\Delta$  DATA NOT AVAILABLE FOR ALL CONDITIONS

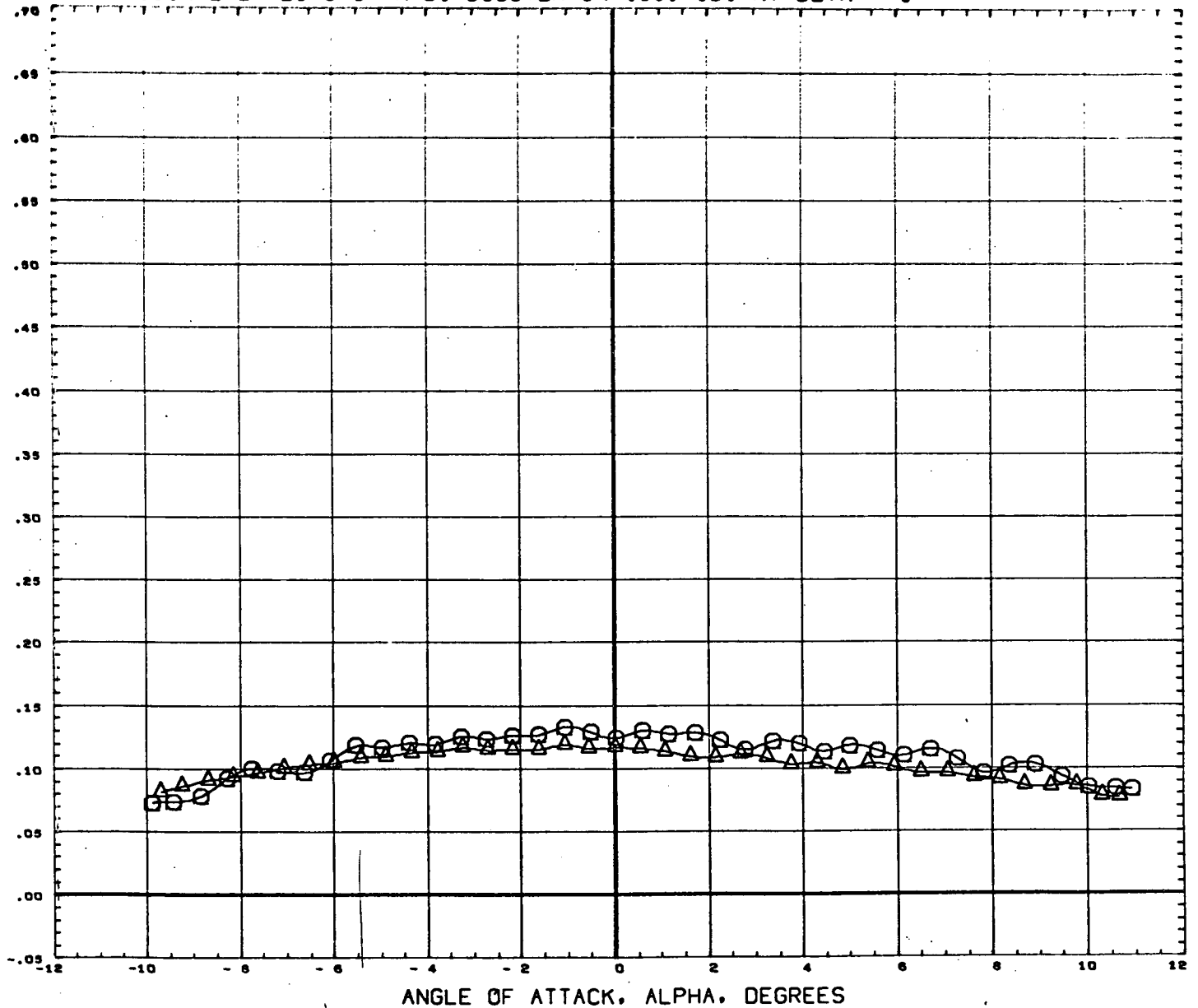
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
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				BREF	662.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .59

PAGE 11

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7401)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1
(CD7405)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1L (B1R)

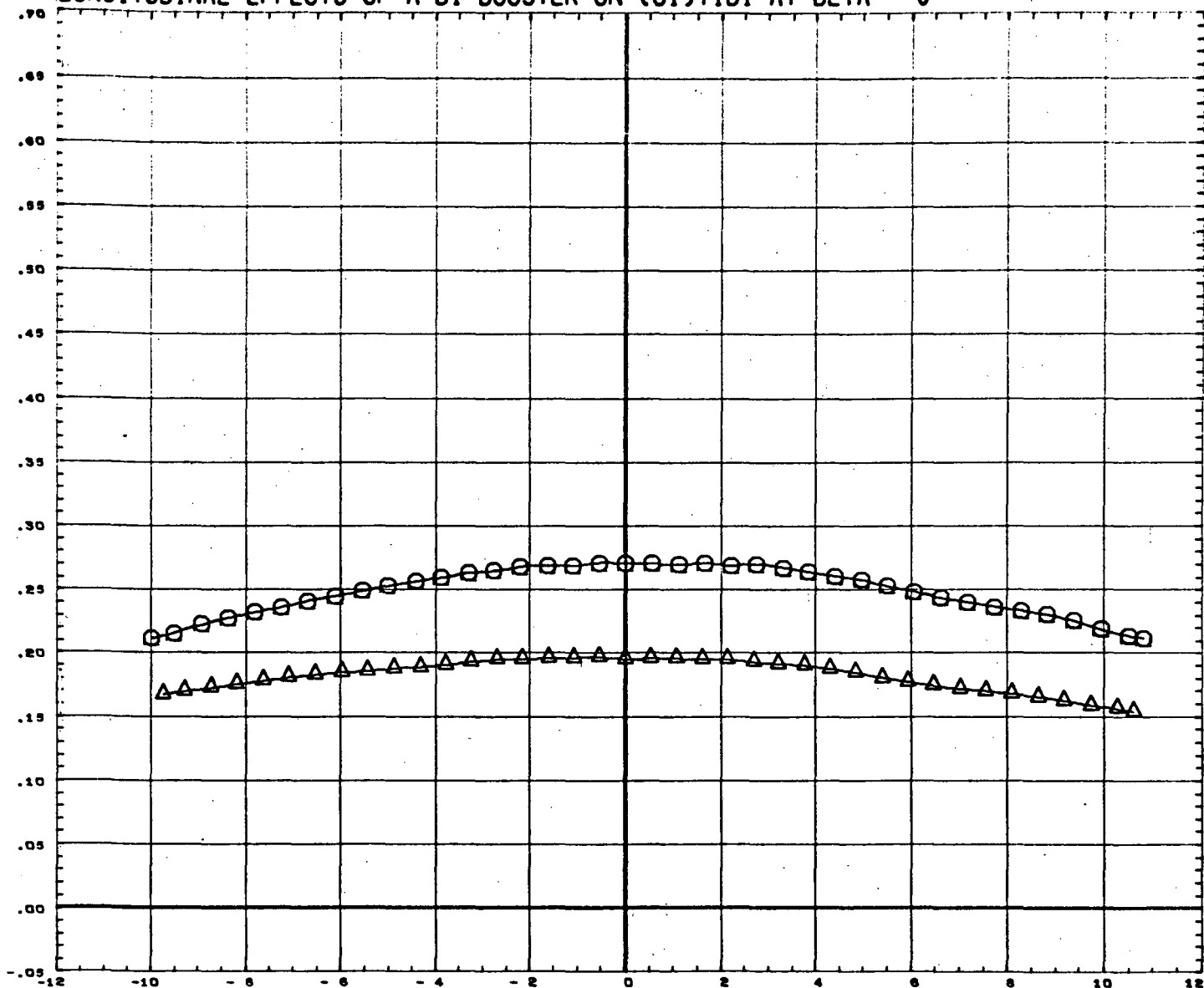
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
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0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .90

PAGE 12

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

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(CD7403) A MDAC S-222 COMPOSITE (T-CG) (01)T1B1L (B1R)

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0.000	0.000	0.000	0.000

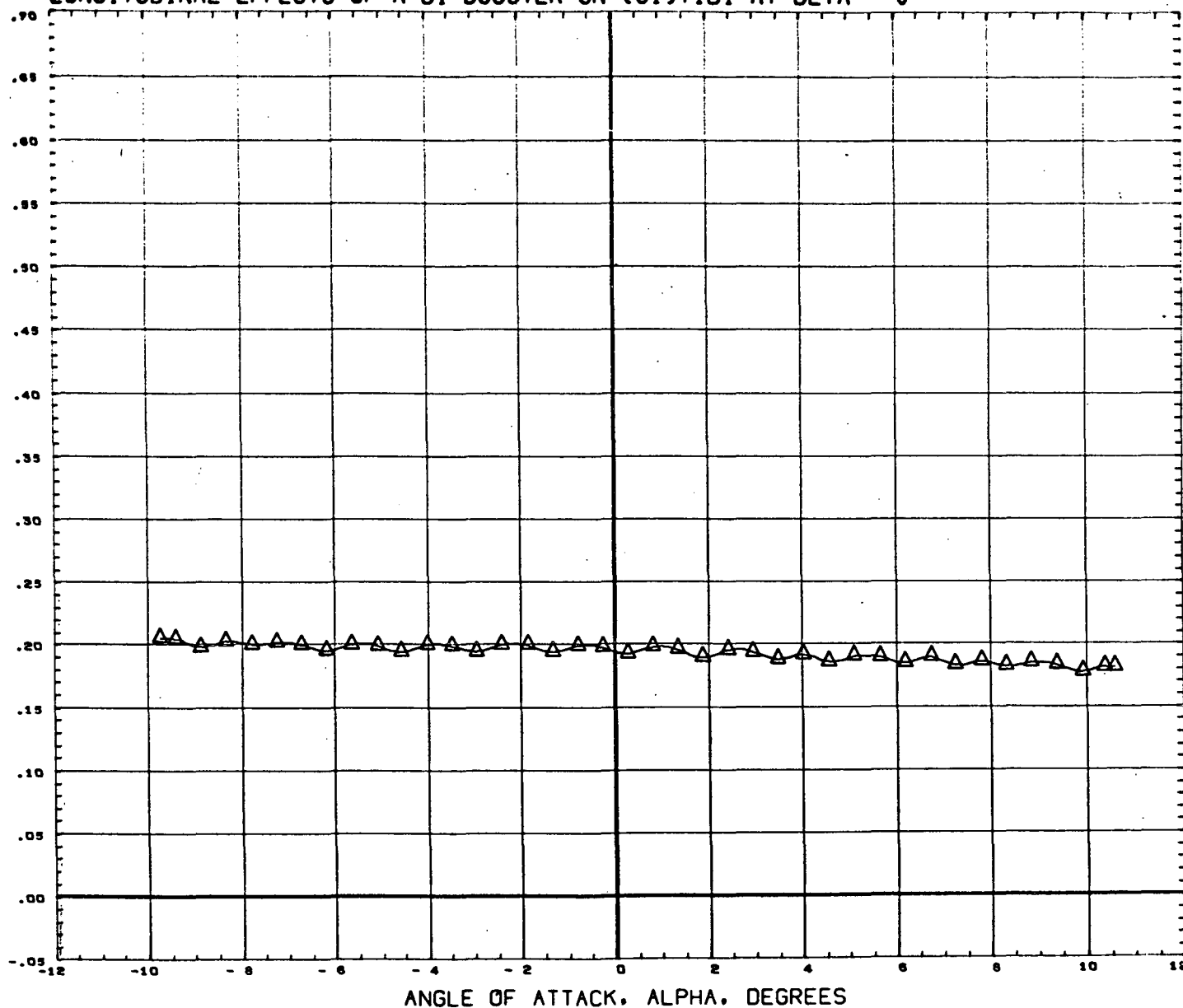
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LREF	609.5004 IN.
BREF	882.0004 IN.
XMRP	557.0004 IN.
YMRP	0.0000 IN.
ZMRP	200.0004 IN.
SCALE	0.0060

MACH 1.10

PAGE 13

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7401) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7405) MDAC S-222 COMPOSITE(T-CG) (01)T1B1L(B1R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
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0.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	862.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

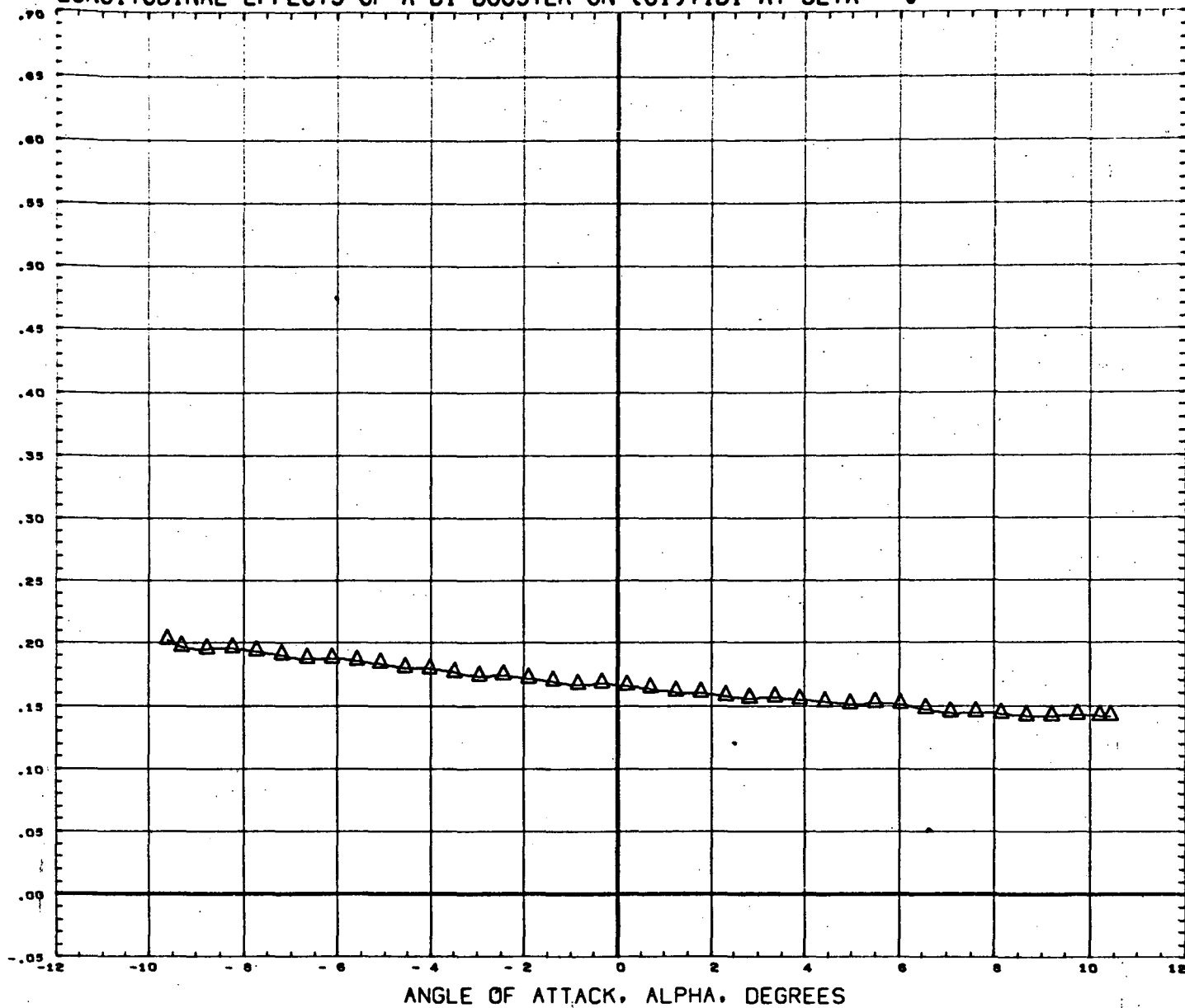
MACH 2.20

PAGE 14



# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF



DATA SET SYMBOL CONFIGURATION DESCRIPTION

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(C07405) MDAC S-222 COMPOSITE (T-CG) (01)T1B1L (B1R)

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

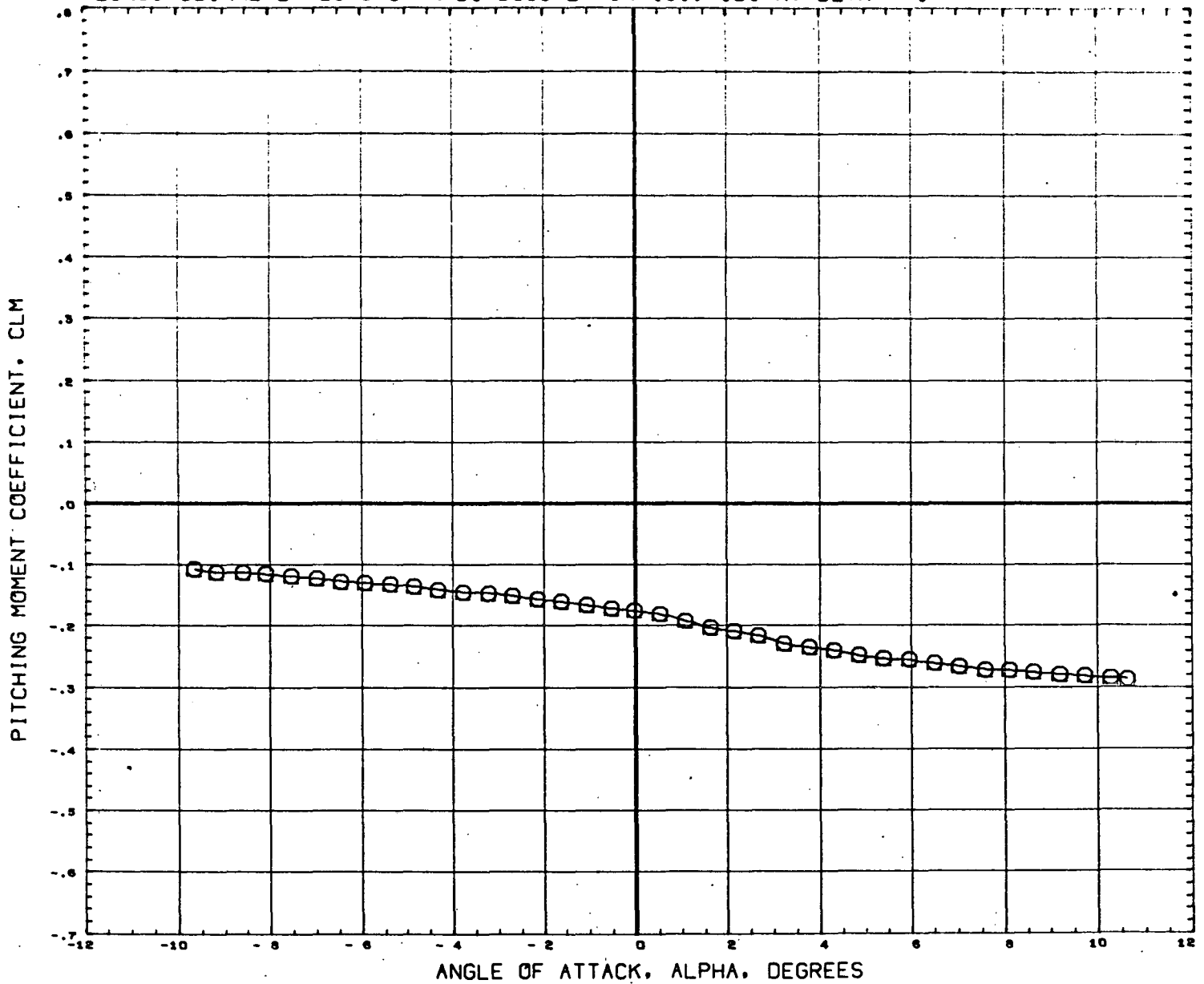
REFERENCE INFORMATION

SREF	3155.3040	sq.ft.
LREF	609.5004	in.
BREF	862.0004	in.
XMRP	557.0004	in.
YMRP	0.0000	in.
ZMRP	200.0004	in.
SCALE	0.0060	

MACH 4.47

PAGE 15

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0



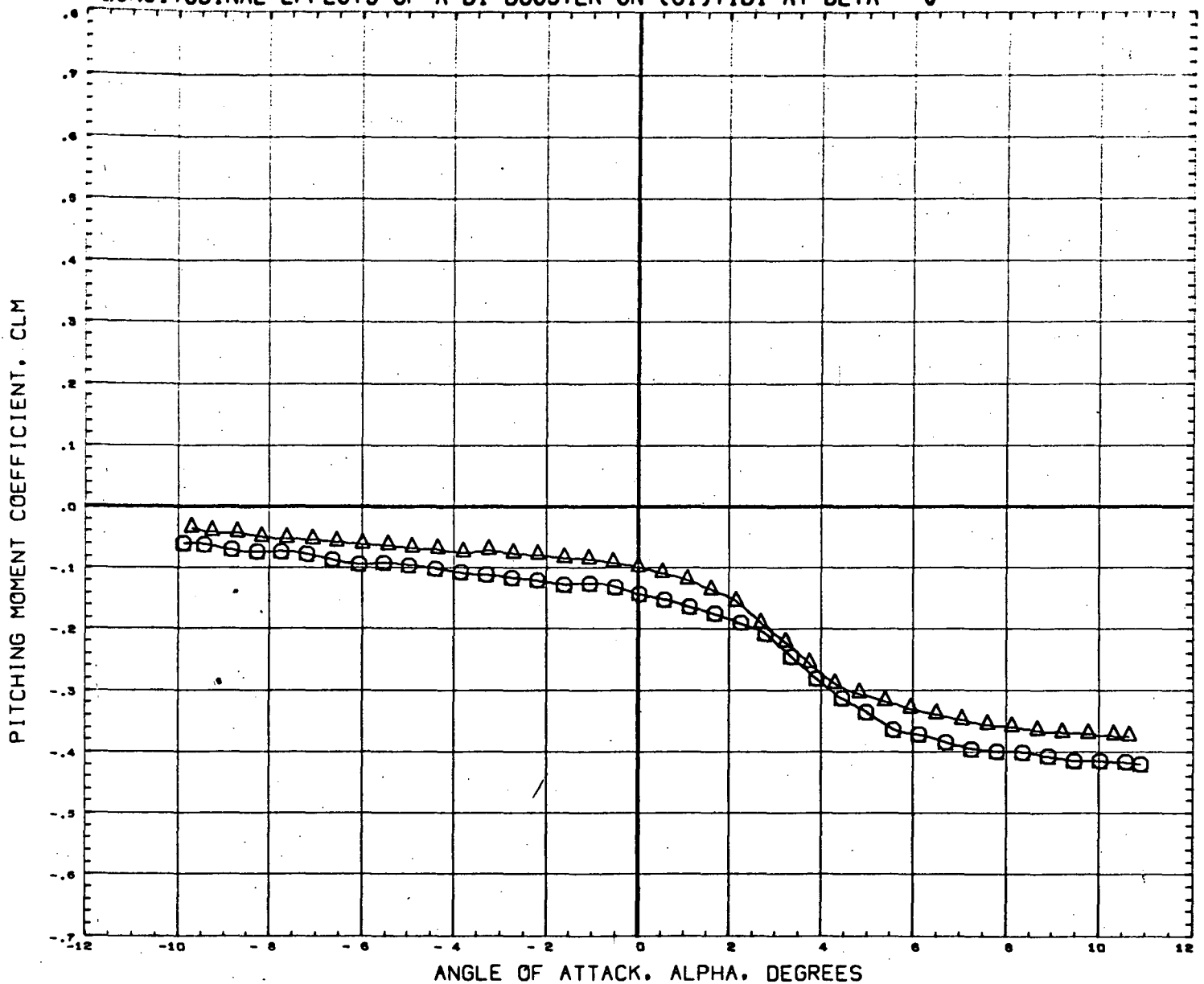
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7401)  MDAC S-222 COMPOSITE (T-CG) (01)T1B1  
 (CD7405) DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	862.0004 IN.
				XMRP	957.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0080

MACH .59

PAGE 16

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0

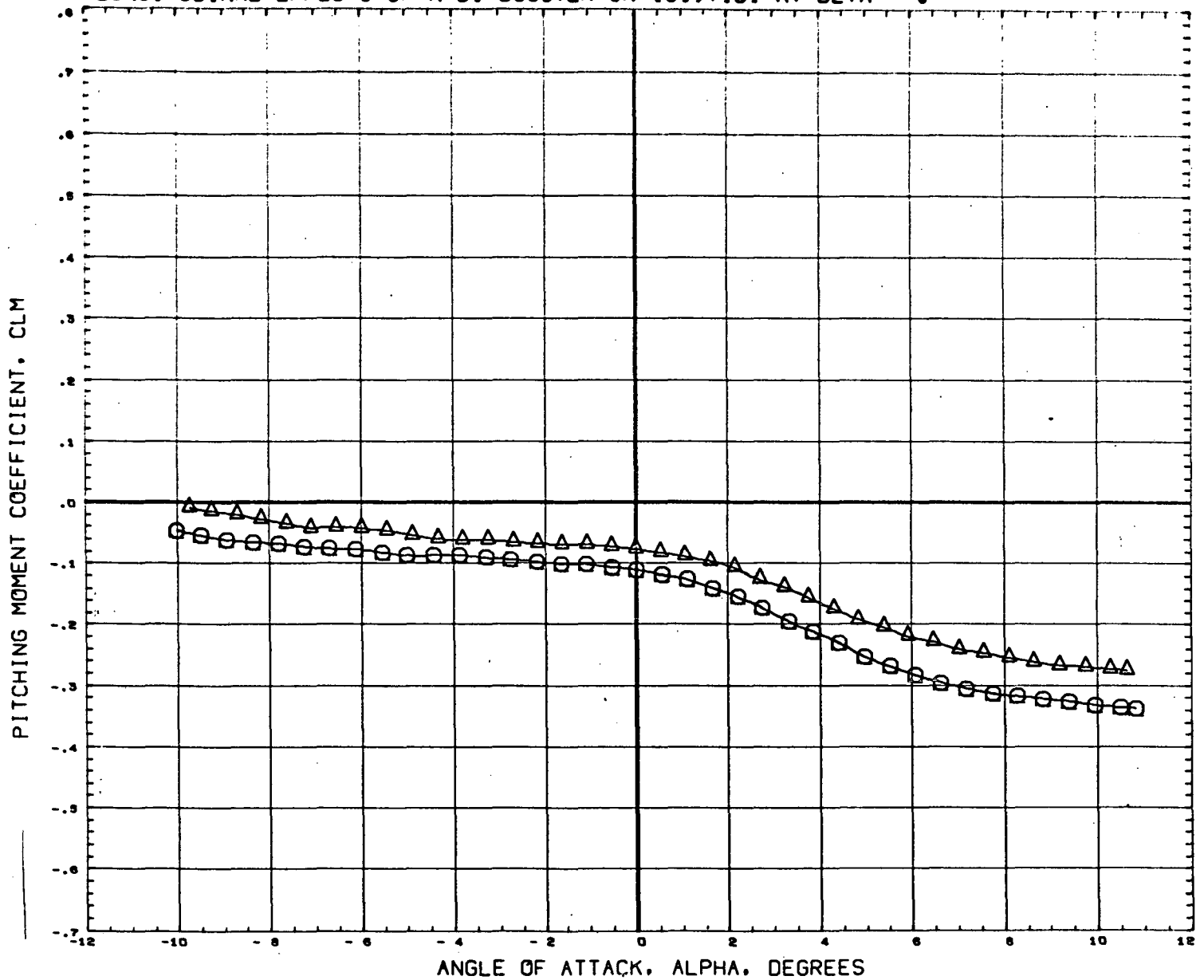


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7401)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7405)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.3004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 17

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0

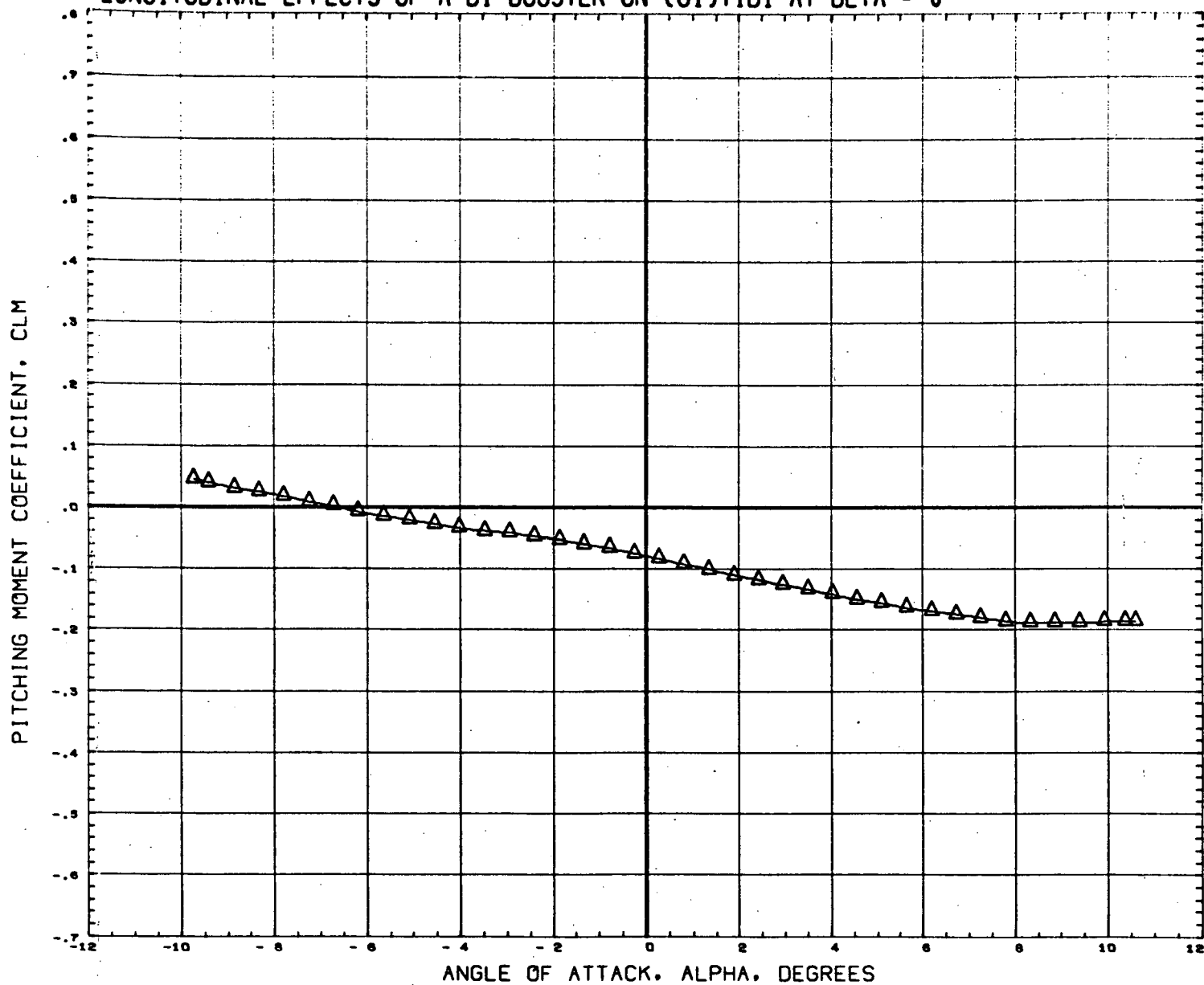


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7401)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7405)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

PAGE 18

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0



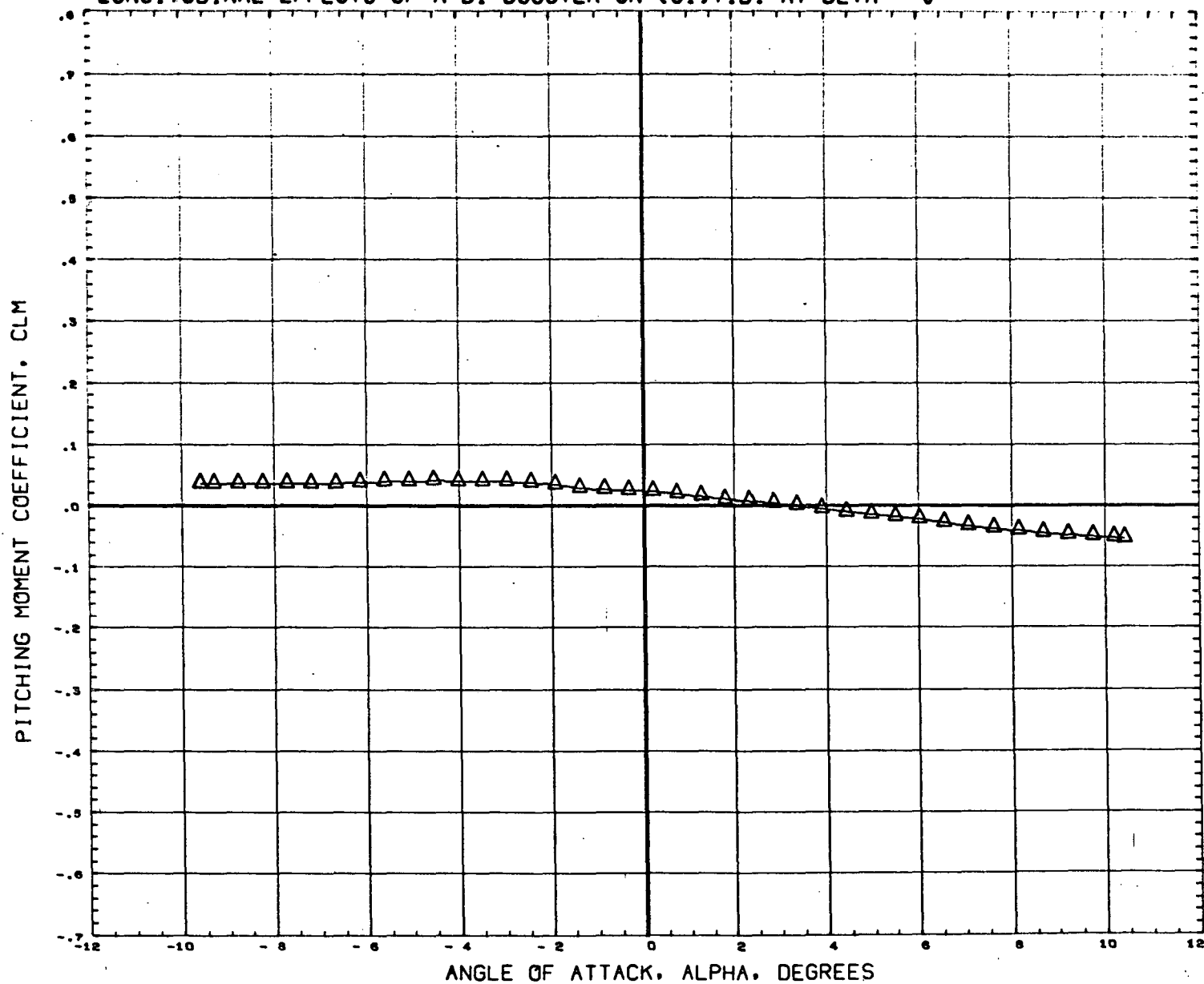
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
(CD7401)    DATA NOT AVAILABLE FOR ALL CONDITIONS  
(CD7405)    MDAC S-222 COMPOSITE (T-CG) (01) T1B1L (B1R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH        2.20

PAGE        19

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T1B1 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7401) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7405) MDAC S-222 COMPOSITE(T-CG) (O1)T1B1L(B1R)

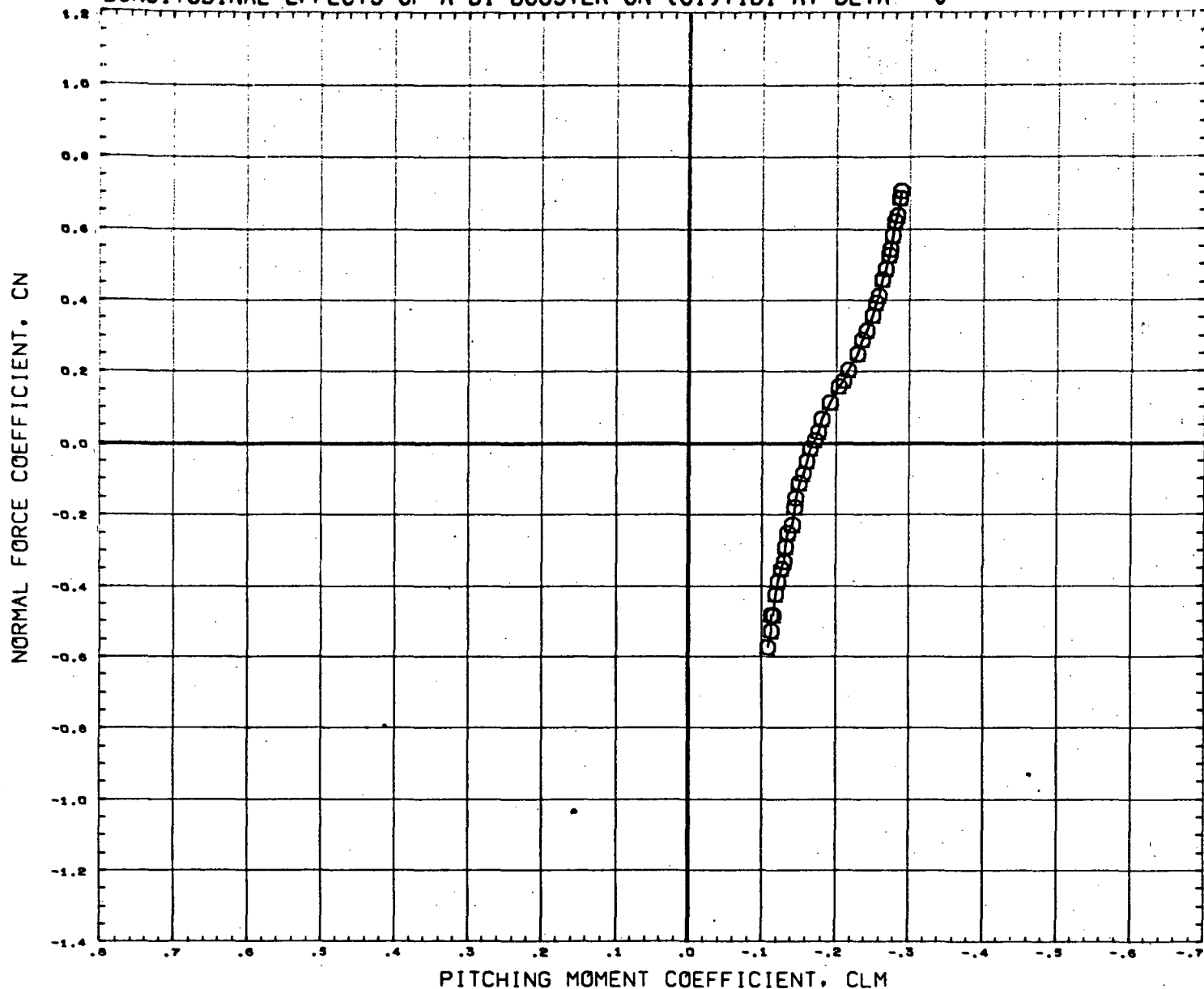
BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 0.000 0.000 0.000 0.000

REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BRFP 882.0004 IN.  
 XMRP 337.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH 4.47

PAGE 20

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0



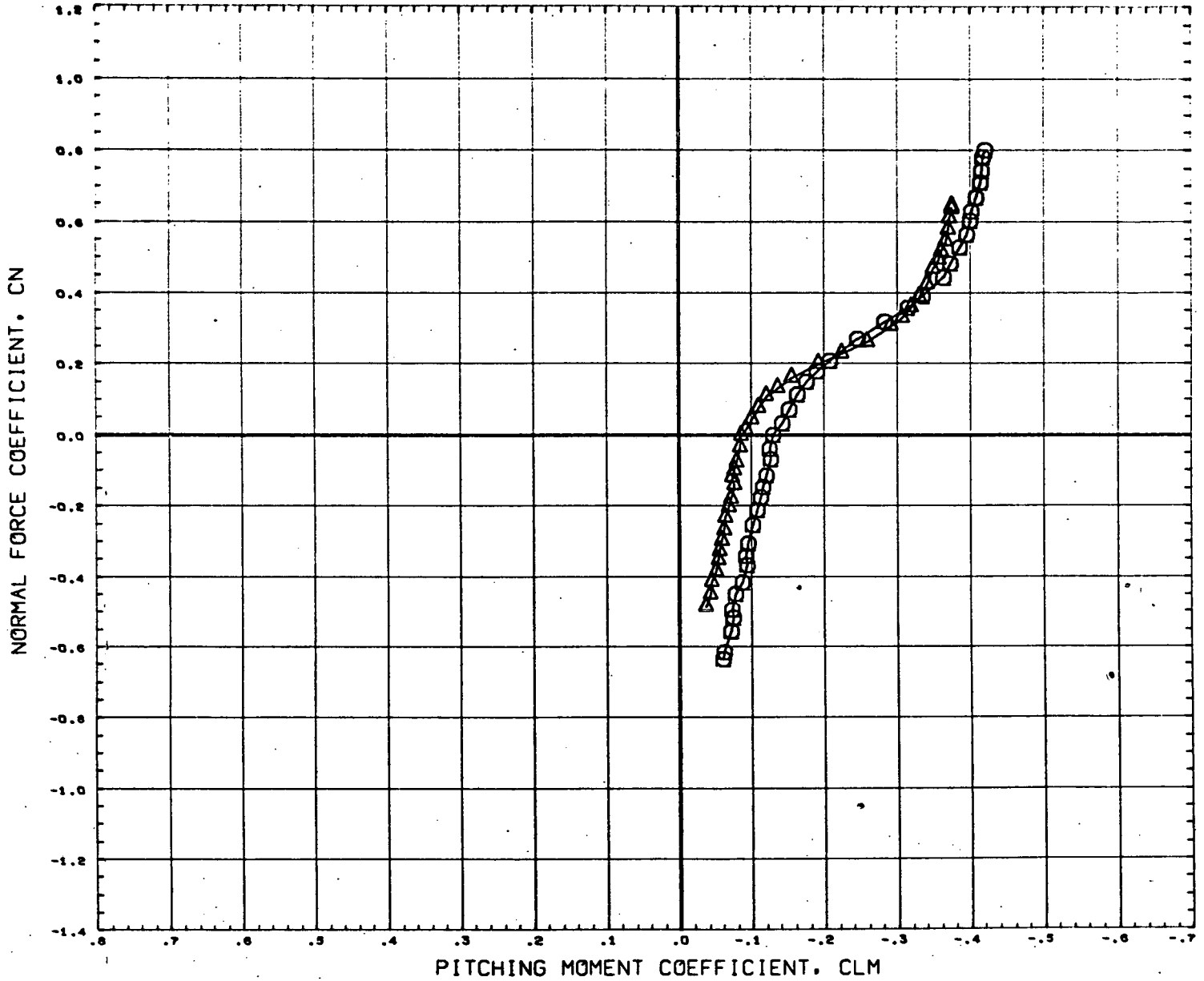
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7401) MDAC S-222 COMPOSITE (T-CG) (01)T1B1  
 (CD7405) DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .59

PAGE 21

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T1B1 AT BETA = 0



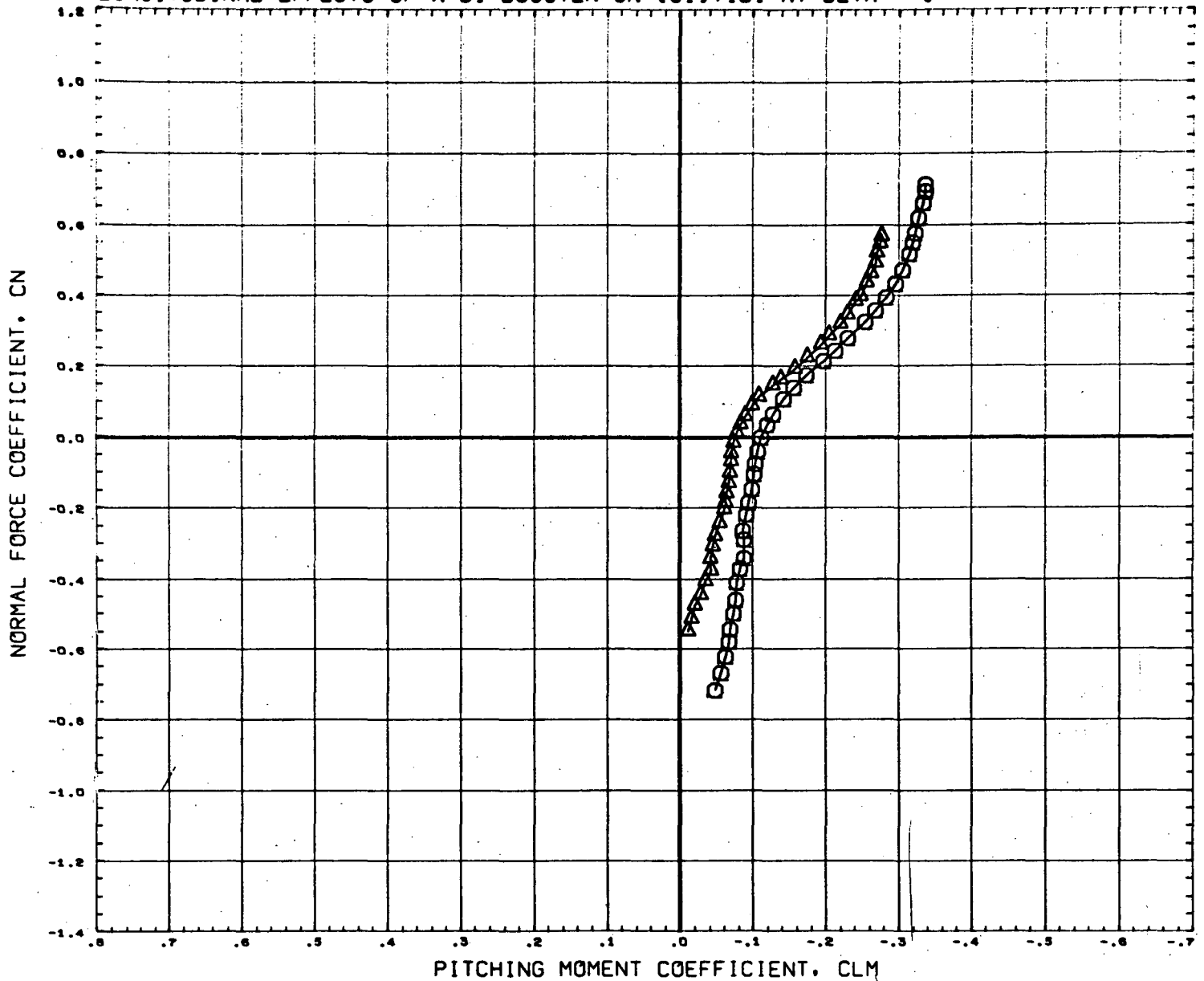
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7401)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7403)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	662.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 22



# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T1B1 AT BETA = 0

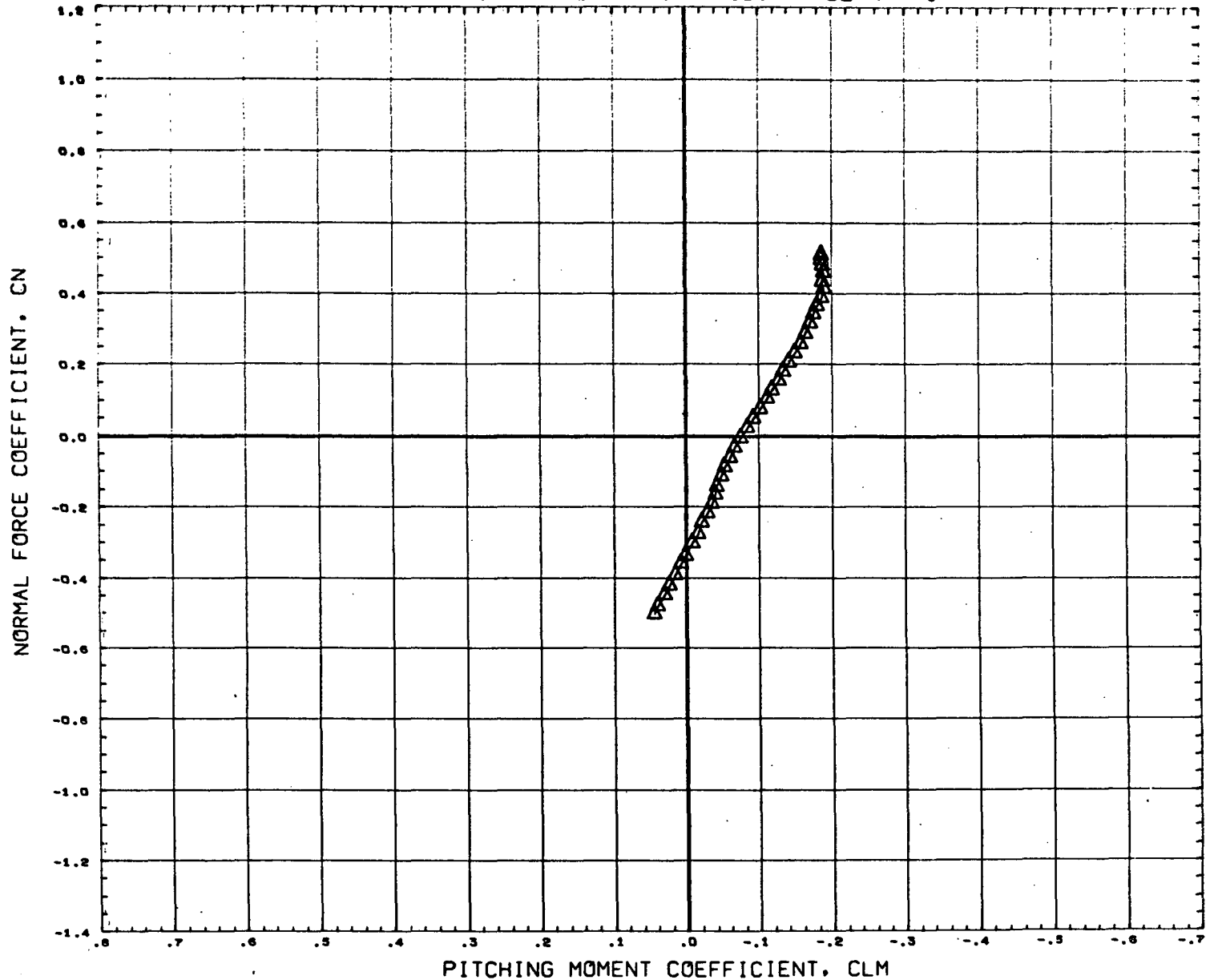


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7401)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7405)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B1L(B1R)	0.000	0.000	0.000	0.000	LREF	609.3004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0080

MACH 1.10

PAGE 23

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7401) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7405) MDAC S-222 COMPOSITE (T-CG) (01)T1B1L (B1R)

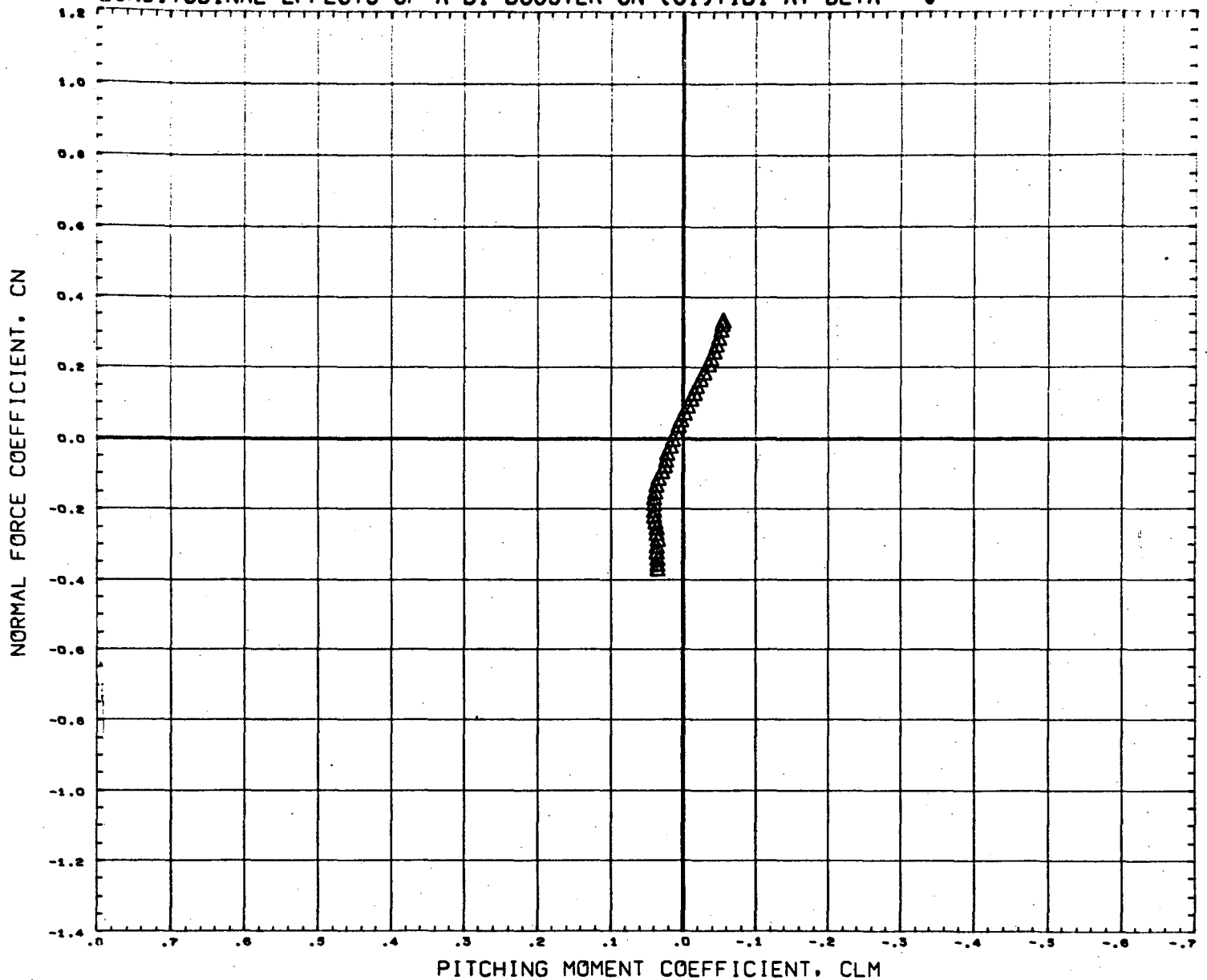
BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 0.000 0.000 0.000 0.000

REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH 2.20

PAGE 24

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0

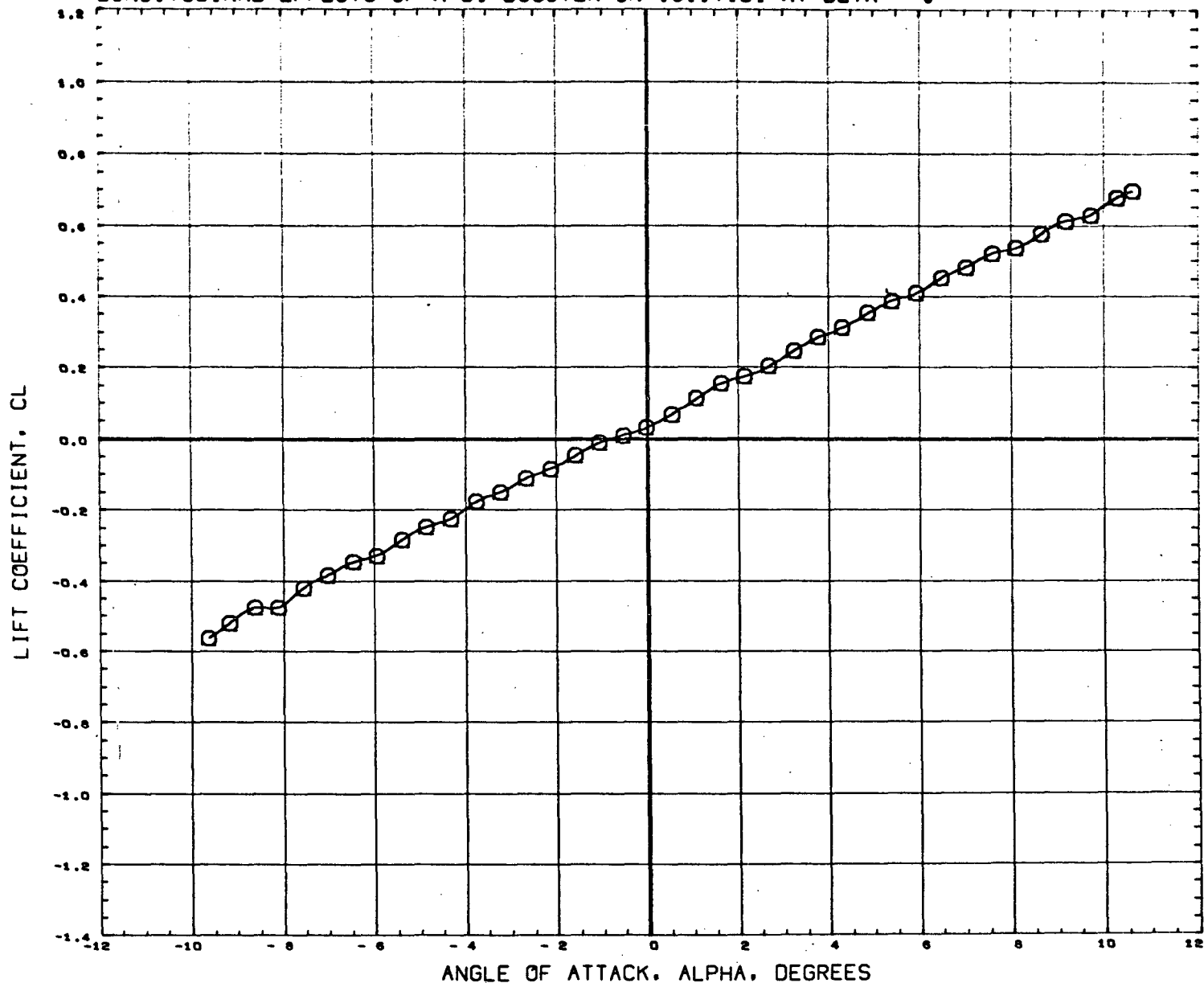


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7401)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7405)	MDAC S-222 COMPOSITE(T-CG) (01)T1B1L(B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 25

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0



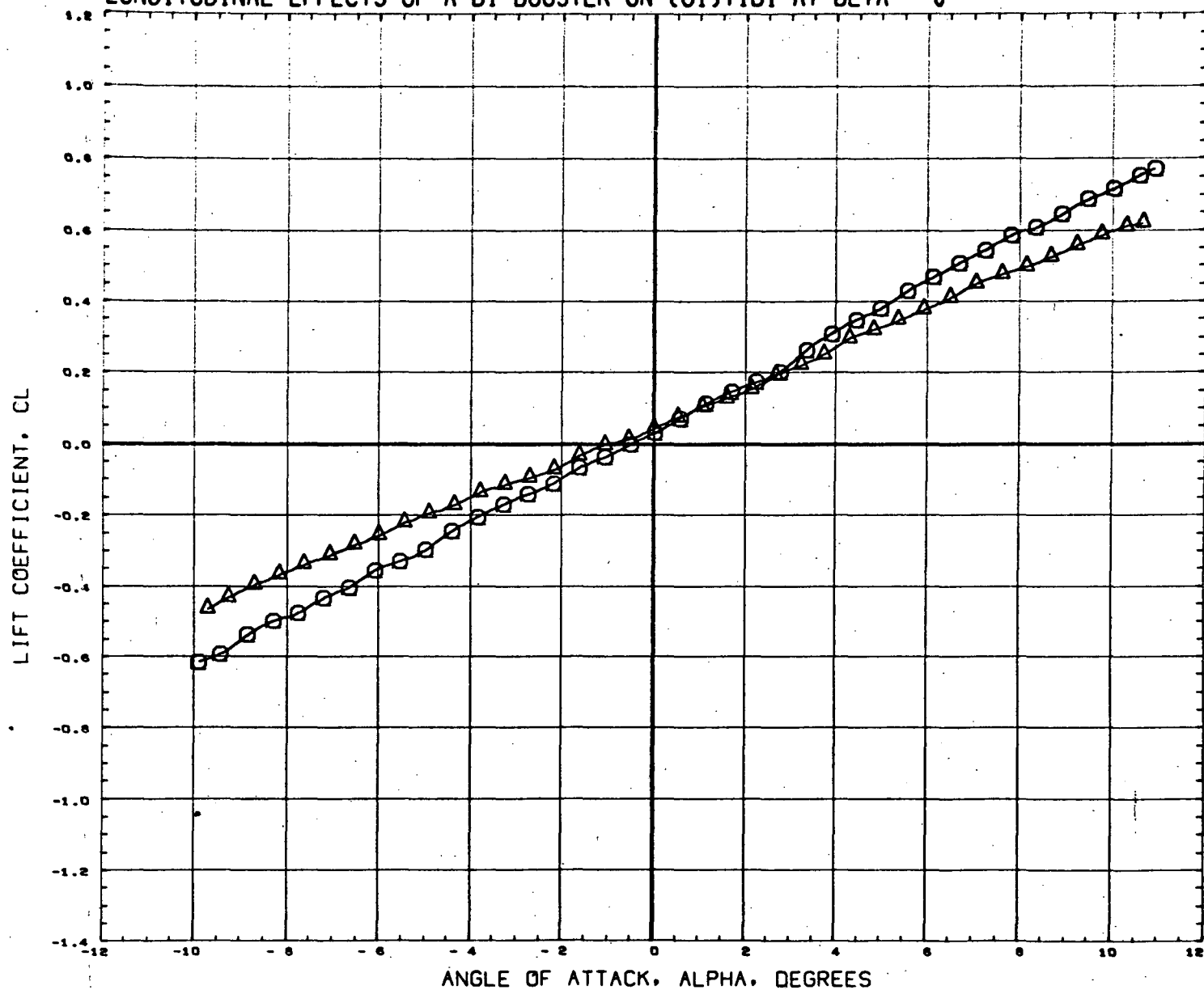
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7401) Q MDAC S-222 COMPOSITE (T-CG) (01)T1B1  
 (CD7405) A DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .59

PAGE 26

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C07401)  MDAC S-222 COMPOSITE (T-CG) (01)T1B1  
 (C07405)  MDAC S-222 COMPOSITE (T-CG) (01)T1B1L (B1R)

BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 0.000 0.000 0.000 0.000

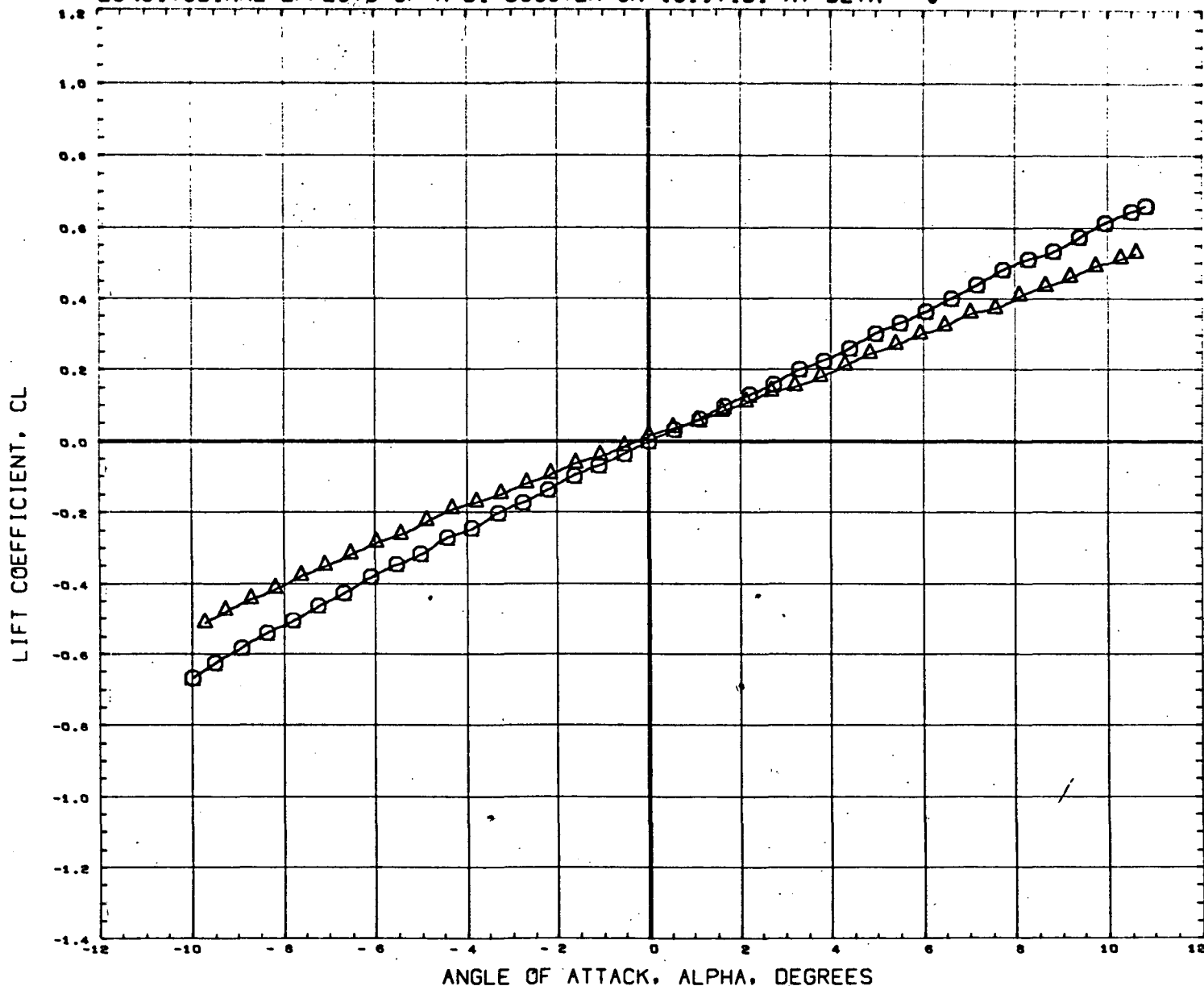
REFERENCE INFORMATION

SREF 3155.3040 SQ.FT.  
 LREF 609.3004 IN.  
 BREF 882.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH .90

PAGE 27

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T1B1 AT BETA = 0

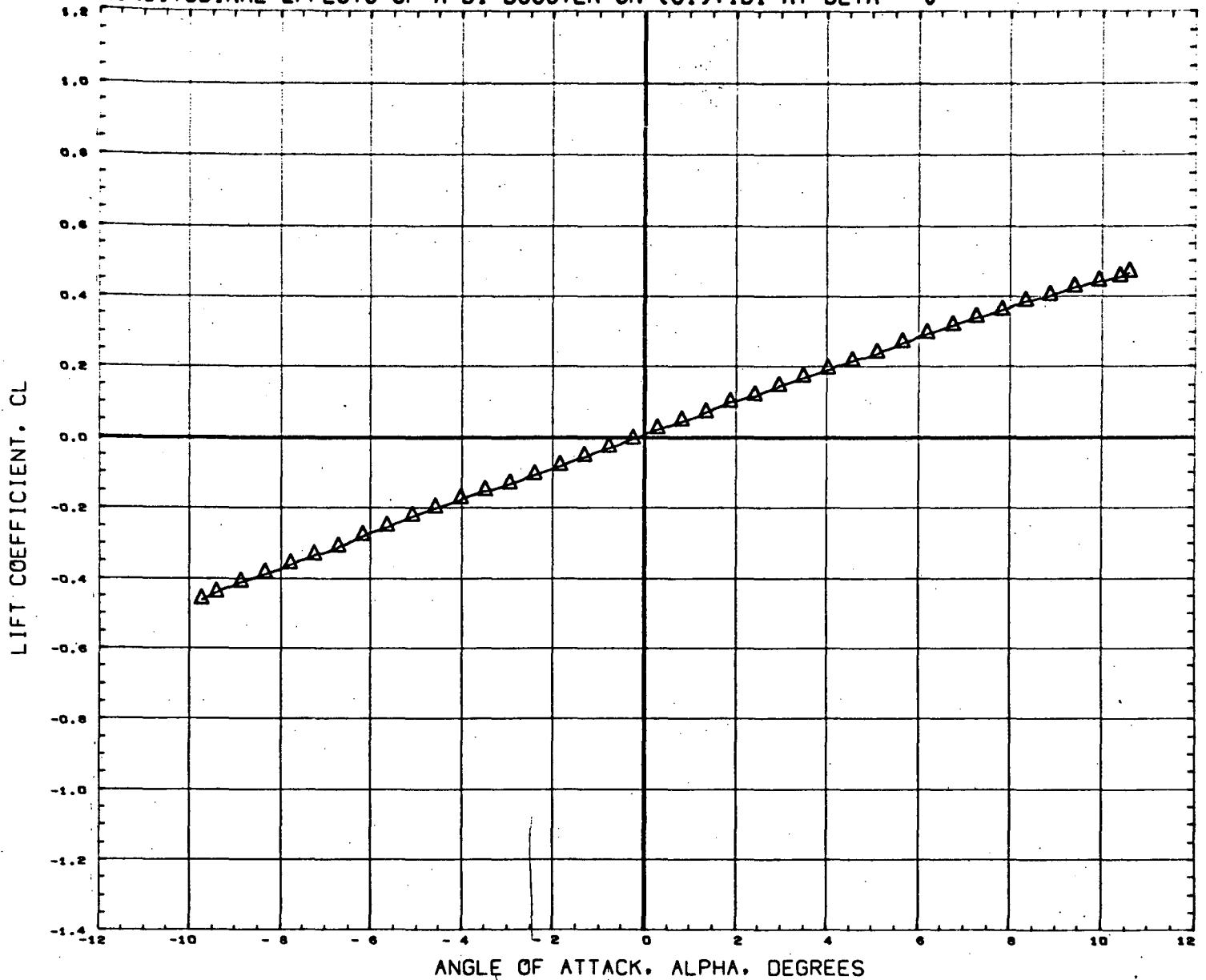


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7401)	○	MDAC S-222 COMPOSITE (T-CG) (O1)T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7405)	△	MDAC S-222 COMPOSITE (T-CG) (O1)T1B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
							BREF	882.0004 IN.
							XMRF	557.0004 IN.
							YMRF	0.0000 IN.
							ZMRF	200.0004 IN.
							SCALE	0.0060

MACH 1.10

PAGE 28

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7401) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7405) MDAC S-222 COMPOSITE(T-CG) (01)T1B1L(B1R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	809.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

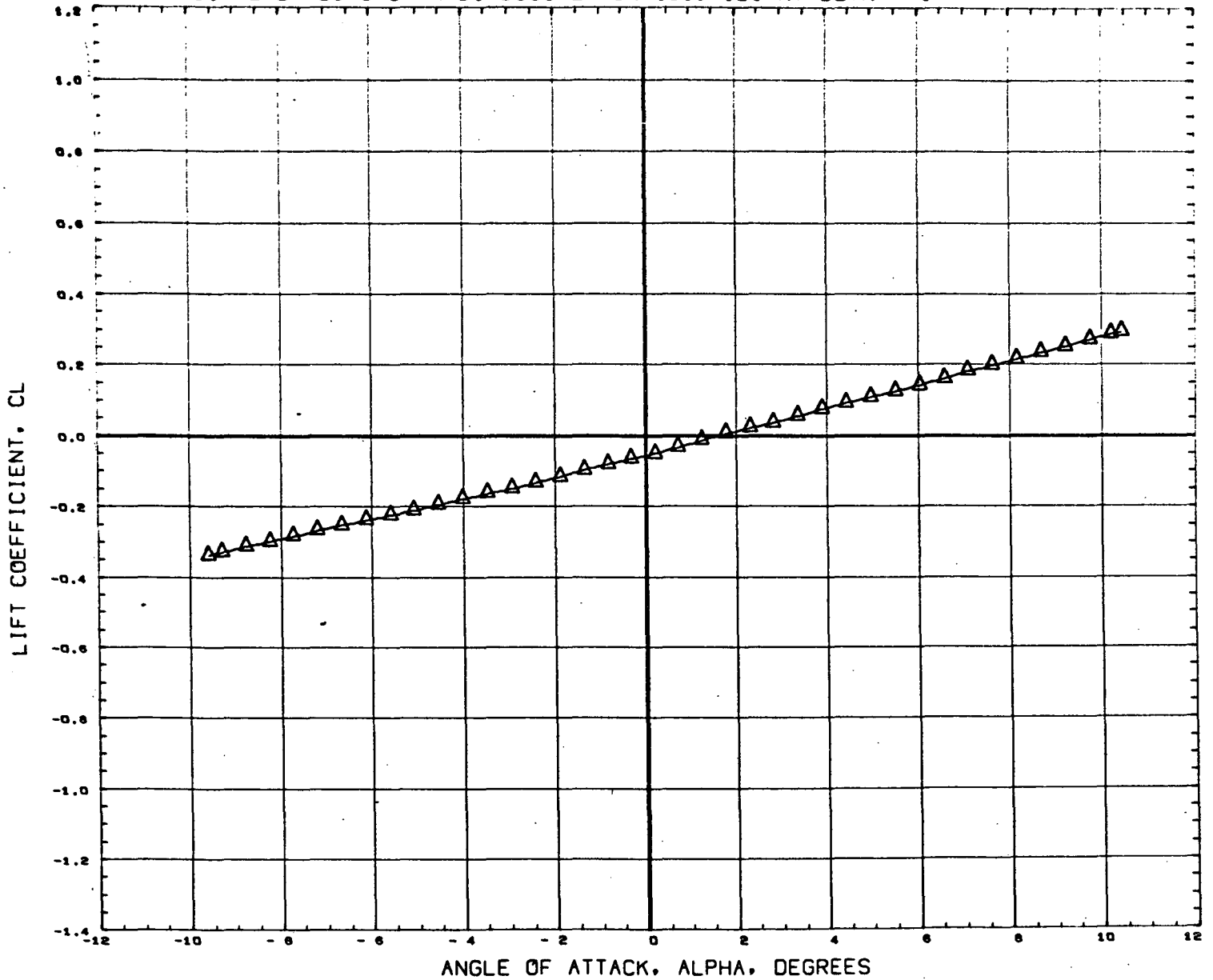
MACH

2.20

PAGE

29

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0



DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (C07401)    DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (C07405)    MDAC S-222 COMPOSITE (T-CG) (01)T1B1L (B1R)

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRF	557.0004	IN.
YMRF	0.0000	IN.
ZMRF	200.0004	IN.
SCALE	0.0060	

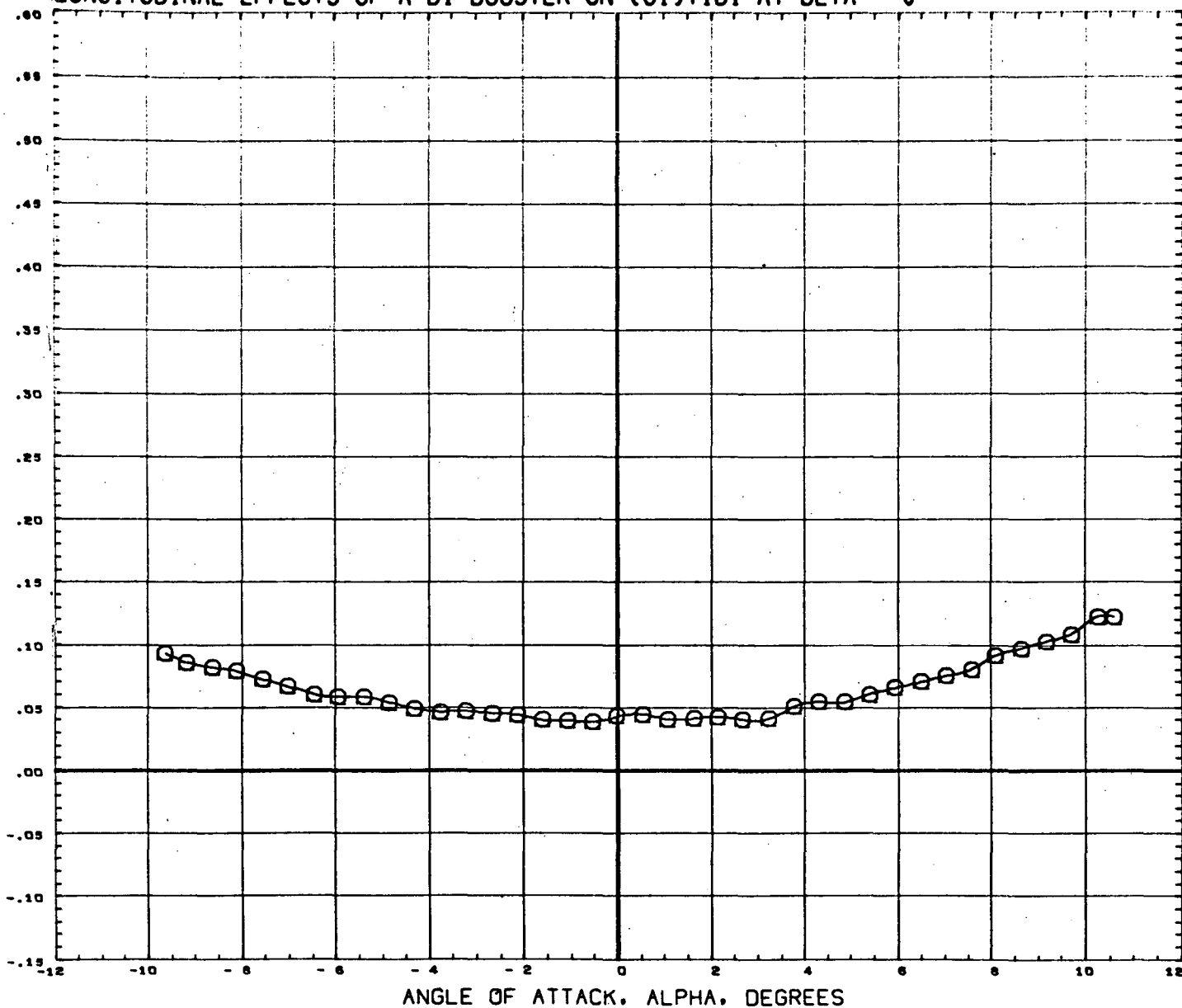
MACH            4.47

PAGE            30



# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7401) (CD7405)  MDAC S-222 COMPOSITE (T-CG) (01)T1B1  
 DATA NOT AVAILABLE FOR ALL CONDITIONS

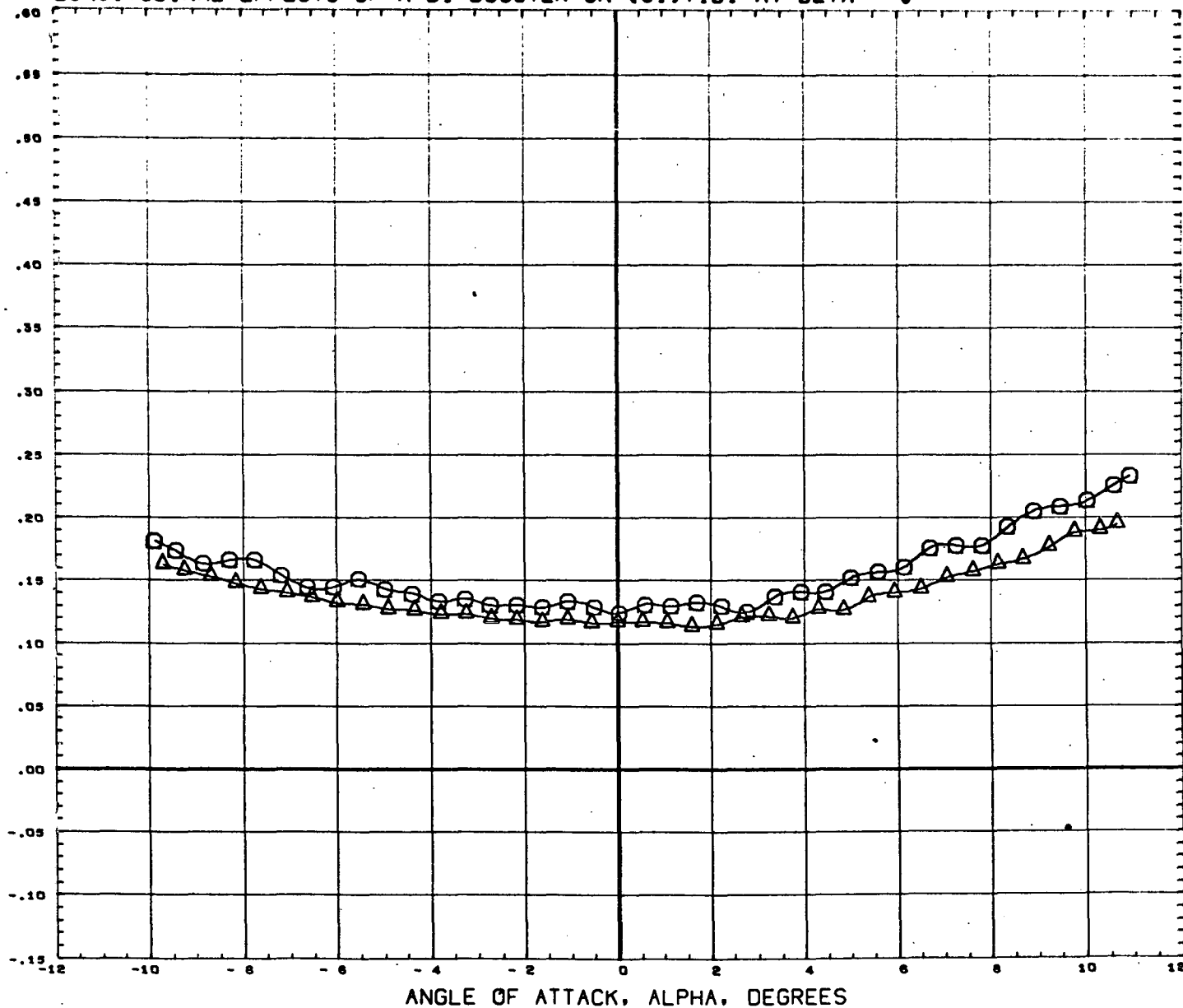
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .59

PAGE 31

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T1B1 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



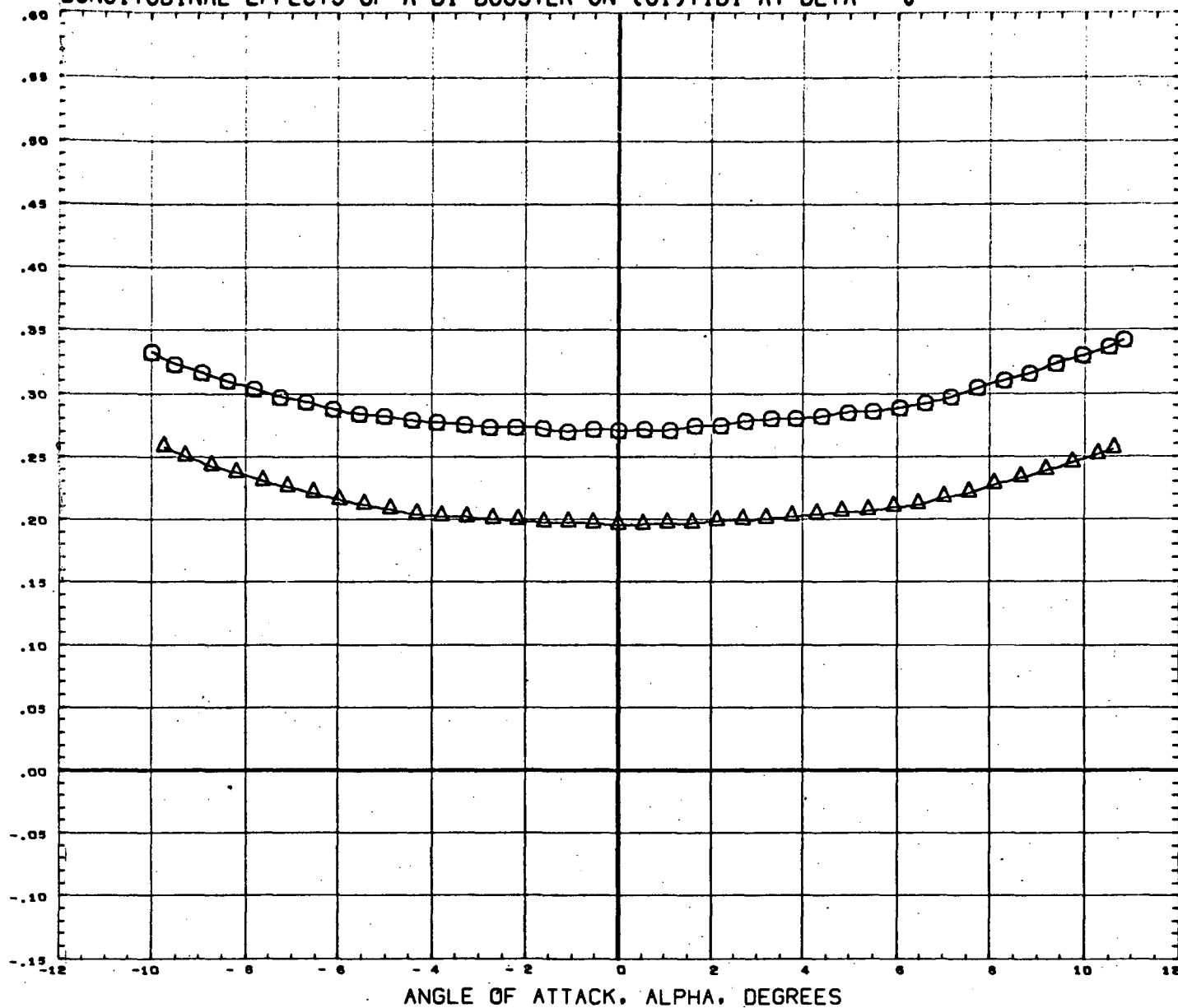
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7401)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7405)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	682.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 32

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C07401) MDAC S-222 COMPOSITE (T-CG) (01)T1B1  
 (C07405) MDAC S-222 COMPOSITE (T-CG) (01)T1B1L (B1R)

BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 0.000 0.000 0.000 0.000

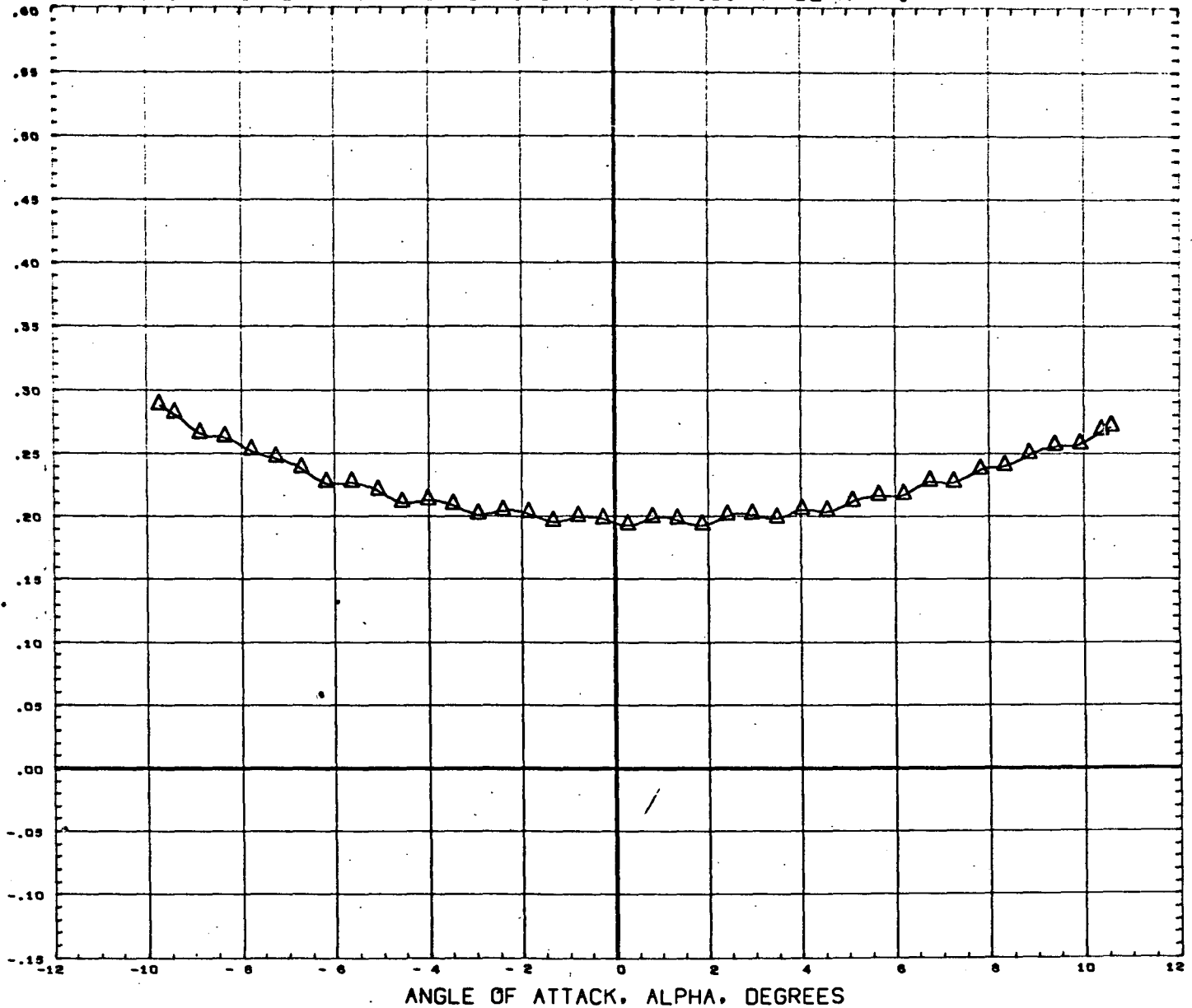
REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 862.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH 1.10

PAGE 33

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



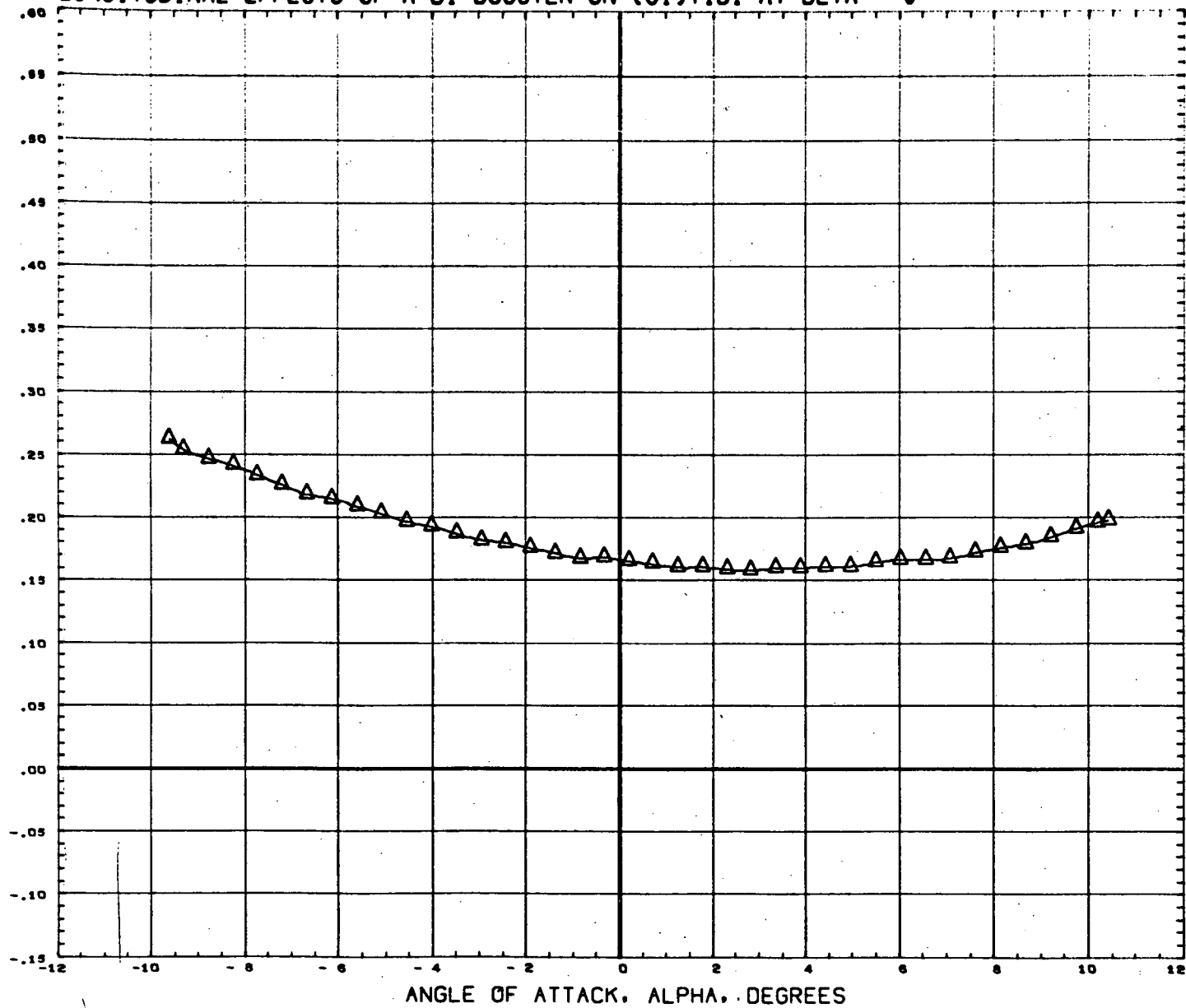
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(C07401)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(C07405)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004	IN.
						BREF	862.0004	IN.
						XMRF	557.0004	IN.
						YMRF	0.0000	IN.
						ZMRF	200.0004	IN.
						SCALE	0.0060	

MACH 2.20

PAGE 34

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7401) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7405) MDAC S-222 COMPOSITE(T-CG) (01)T1B1(B1R)

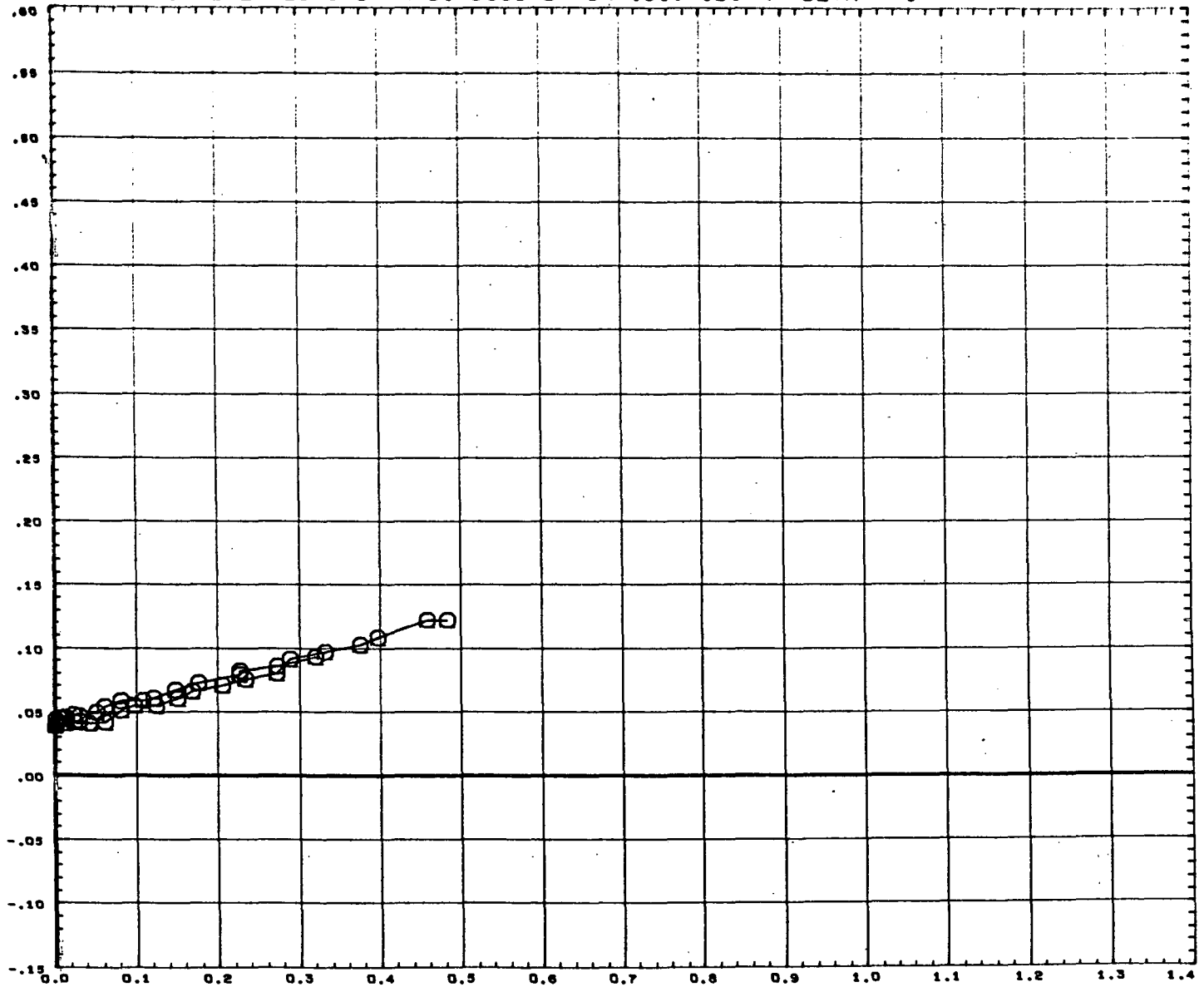
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XHRP	537.0004 IN.
				YHRP	0.0000 IN.
				ZHRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

PAGE 35

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQ

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7401) Q MDAC S-222 COMPOSITE(T-CG) (01)T1B1  
 (CD7405) A DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 0.000 0.000 0.000 0.000

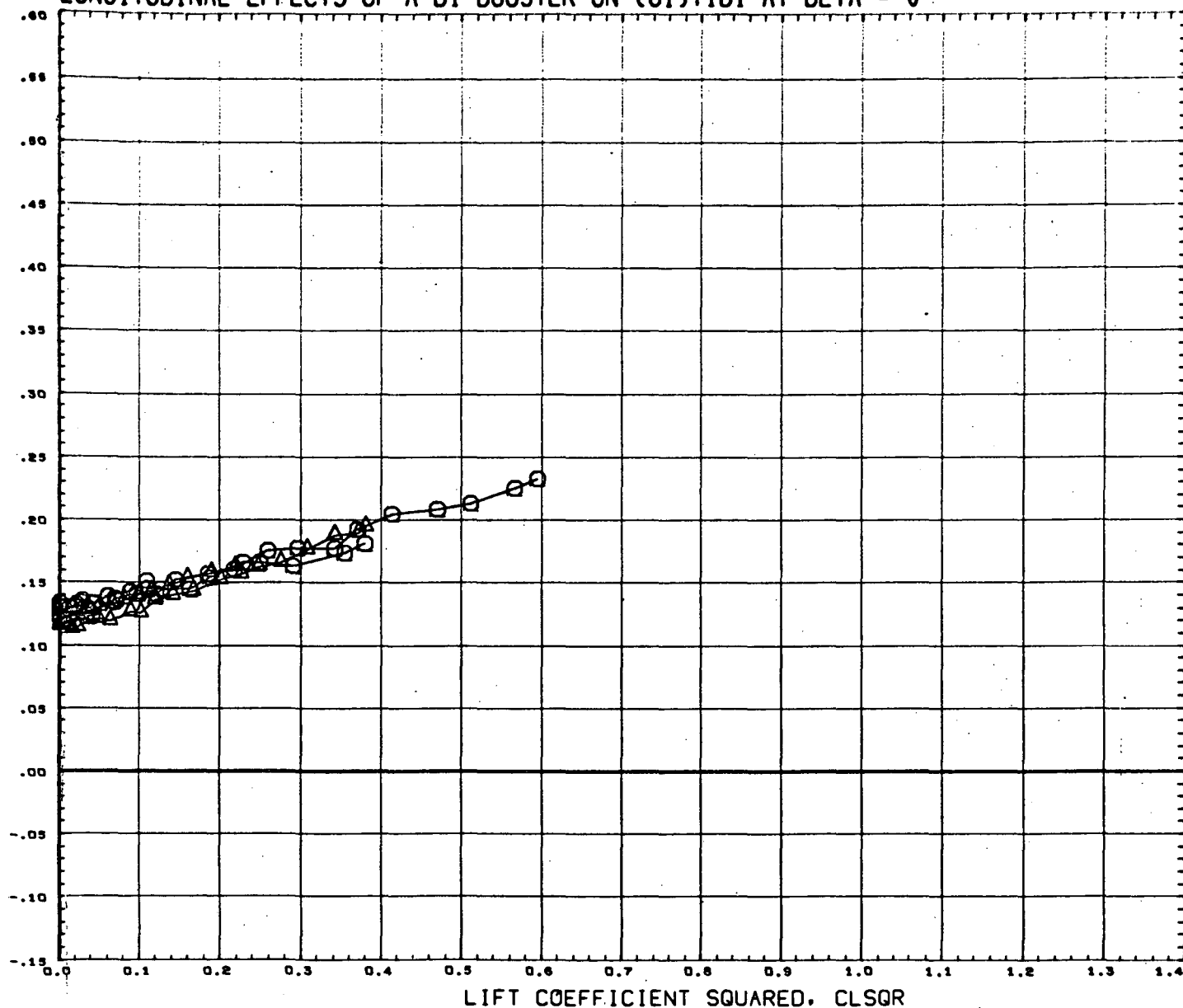
REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 862.0004 IN.  
 XMRP 537.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH .59

PAGE 36

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7401) MDAC S-222 COMPOSITE(T-CG) (01)T1B1  
 (CD7405) MDAC S-222 COMPOSITE(T-CG) (01)T1B1L(B1R)

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION

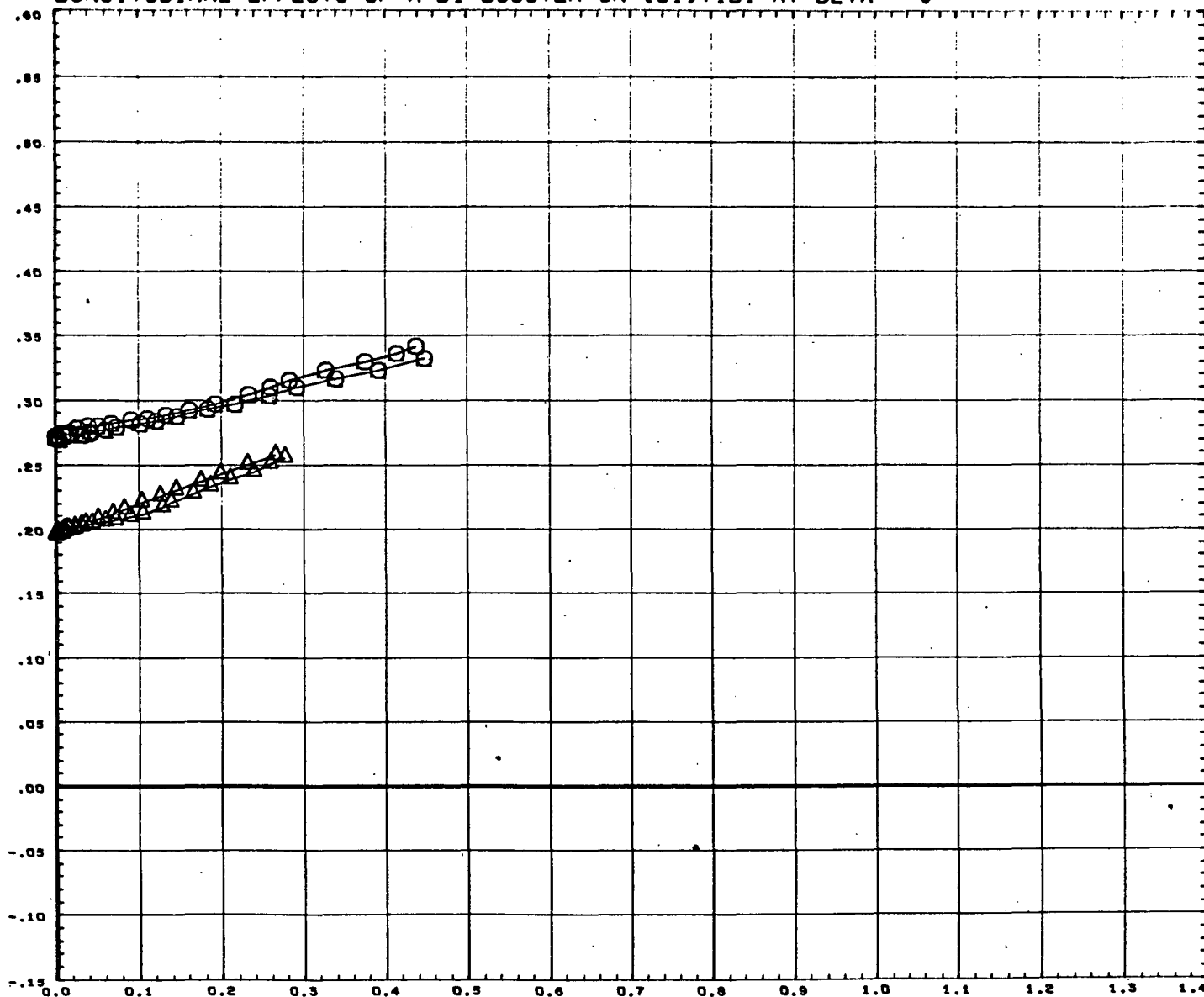
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH .90

PAGE 37

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQR

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7401)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1
(CD7405)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1L (B1R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

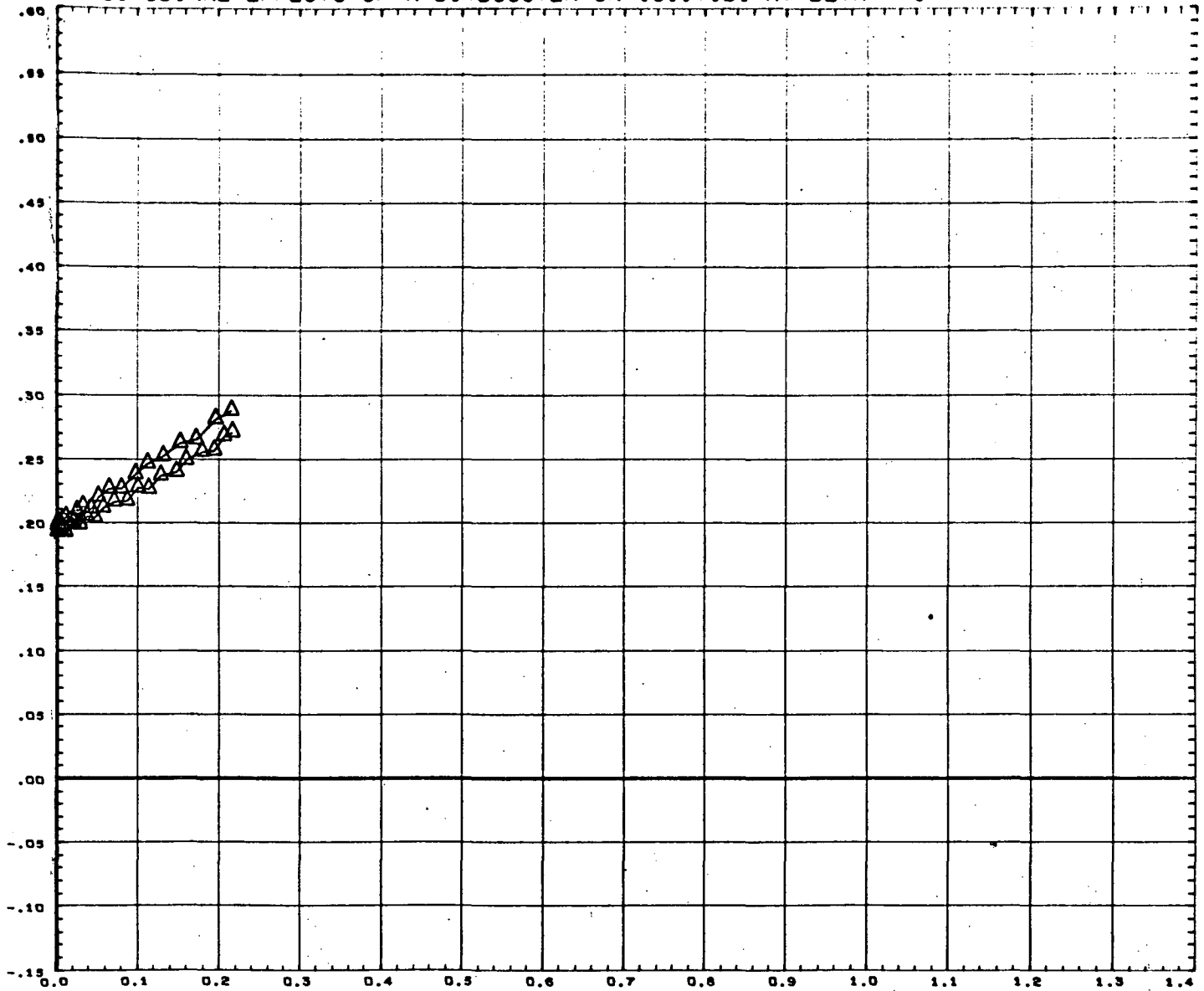
MACH 1.10

PAGE 38



# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQR

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7401) Q DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7405) Q MDAC S-222 COMPOSITE (T-CG) (01)T1B1L (B1R)

BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 0.000 0.000 0.000 0.000

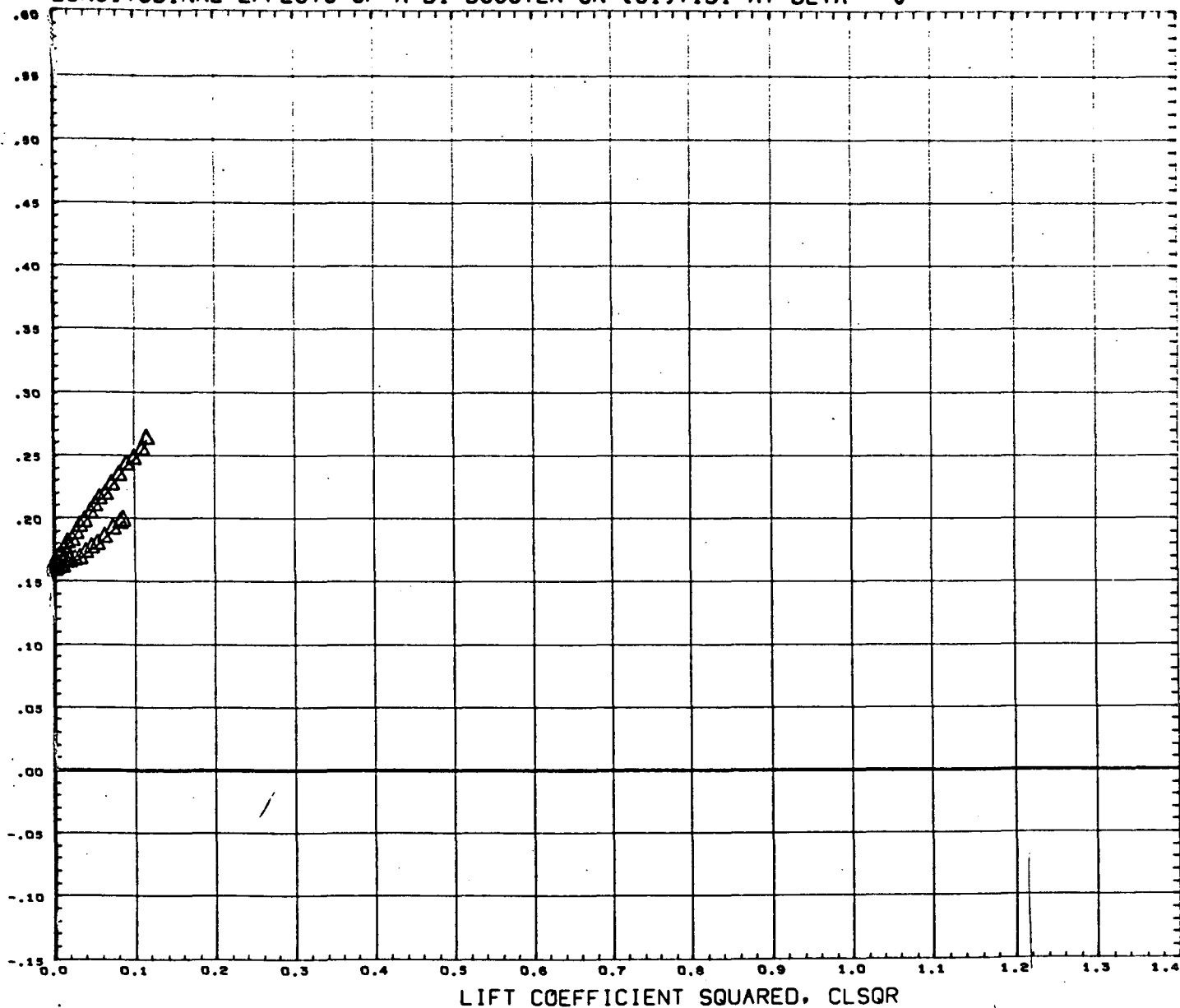
REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 537.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0080

MACH 2.20

PAGE 39

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7401)    ○    DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7405)    △    MDAC S-222 COMPOSITE (T-CG) (01) T1B1L (B1R)

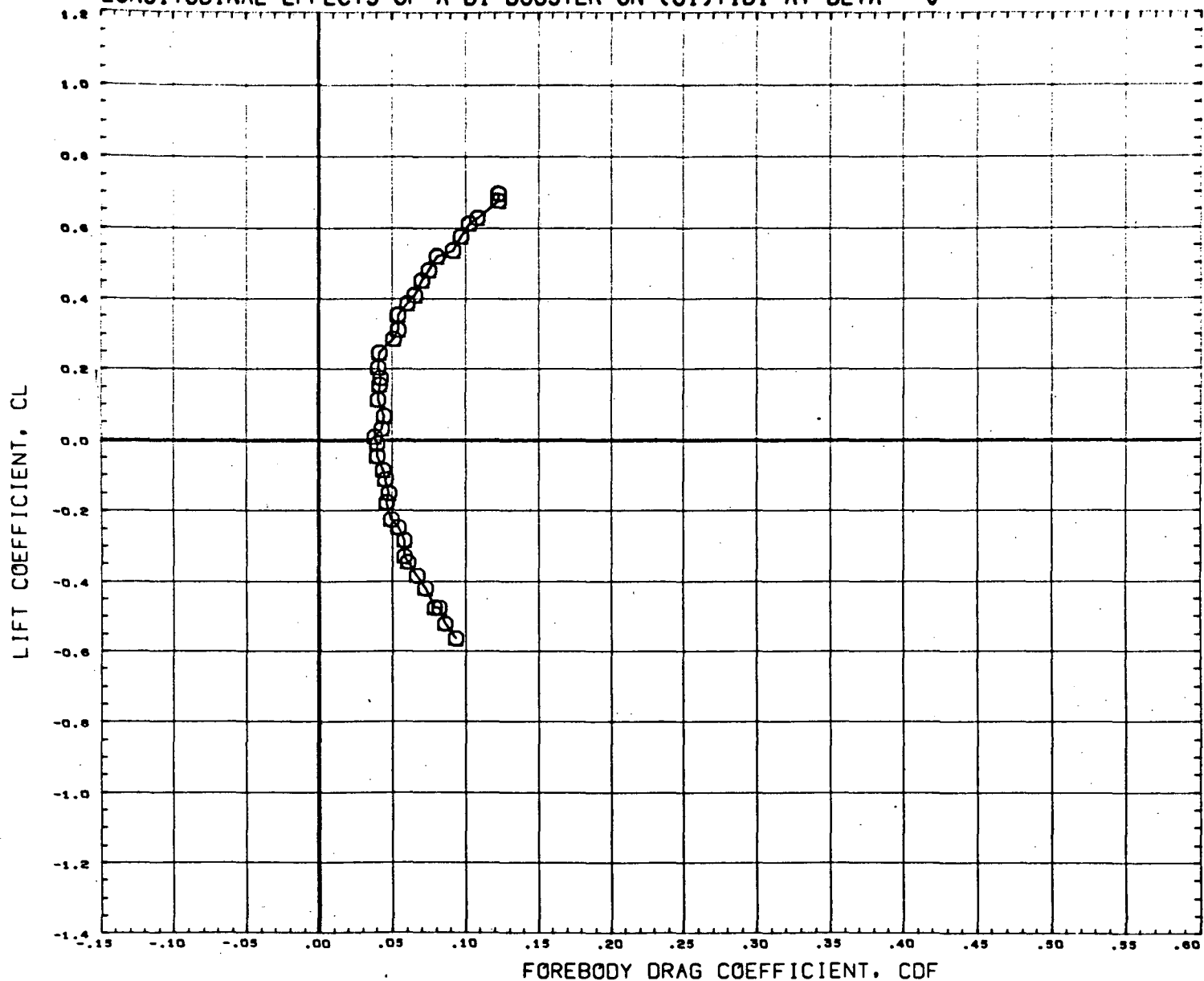
BETA    ELEVTR    AILRON    RUDDER  
 0.000    0.000    0.000    0.000  
 0.000    0.000    0.000    0.000

REFERENCE INFORMATION  
 SREF    3155.3040    SQ.FT.  
 LREF    609.5004    IN.  
 BREF    882.0004    IN.  
 XMRP    557.0004    IN.  
 YMRP    0.0000    IN.  
 ZMRP    200.0004    IN.  
 SCALE    0.0060

MACH    4.47

PAGE    40

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0



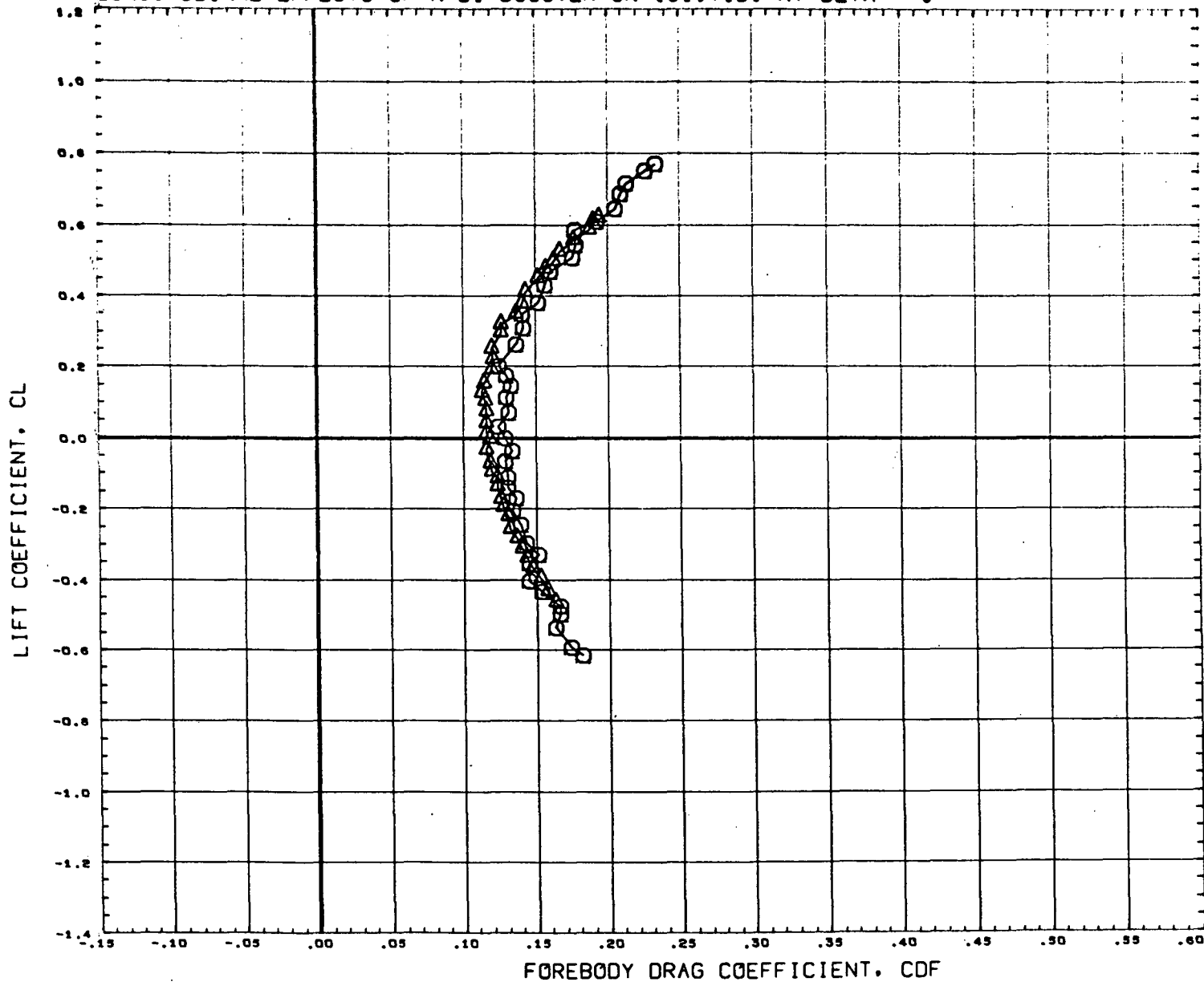
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7401)    ○    MDAC S-222 COMPOSITE (T-CG) (01)T1B1  
 (CD7405)    △    DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060


MACH .59

PAGE 41

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C07401)  MDAC S-222 COMPOSITE (T-CG) (01)T1B1  
(C07405)  MDAC S-222 COMPOSITE (T-CG) (01)T1B1L (B1R)

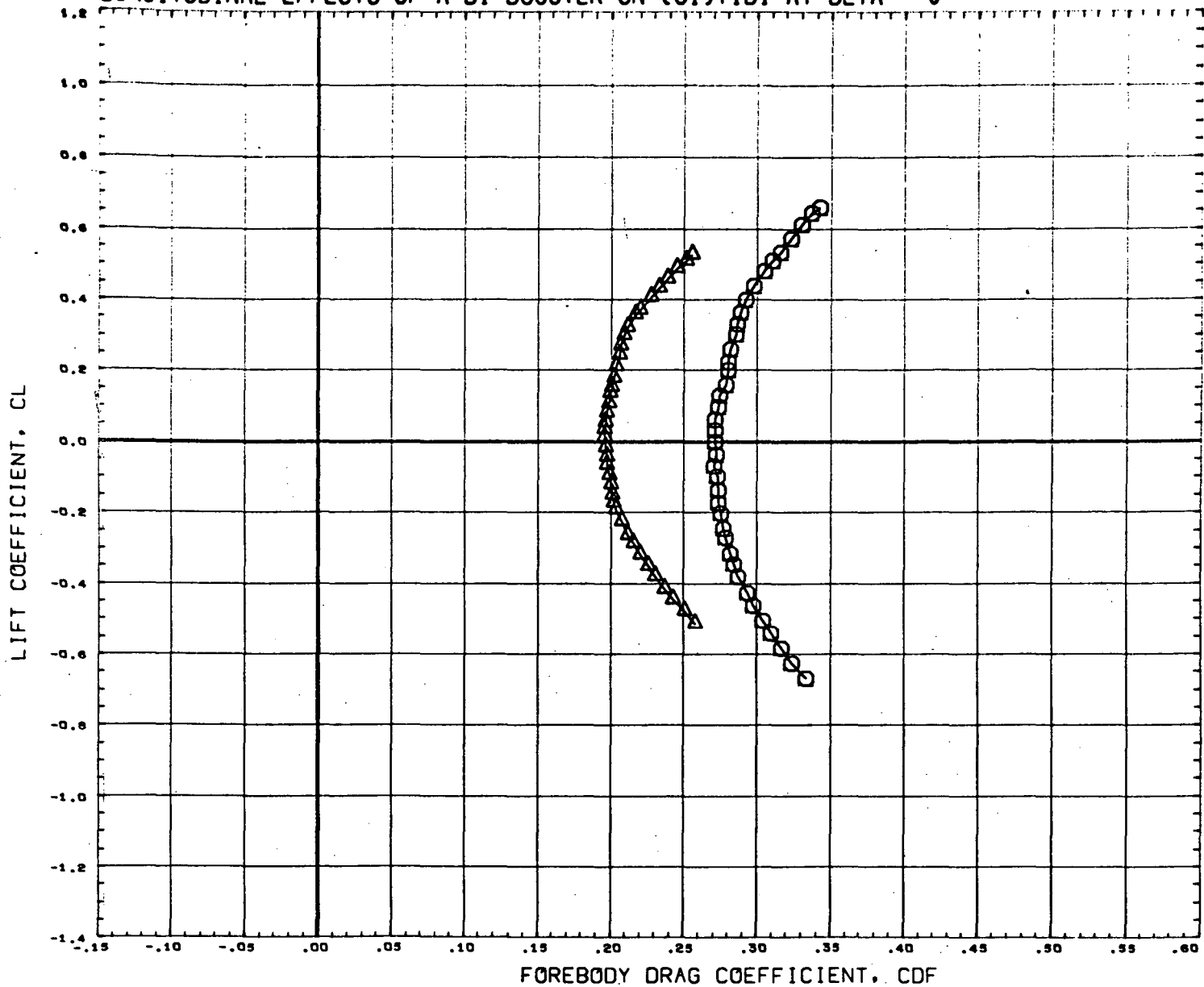
BETA	ELEVTR	ATLON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	682.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH .90

PAGE 42

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T1B1 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7401)  MDAC S-222 COMPOSITE (T-CG) (O1)T1B1  
(CD7405)  MDAC S-222 COMPOSITE (T-CG) (O1)T1B1L (B1R)

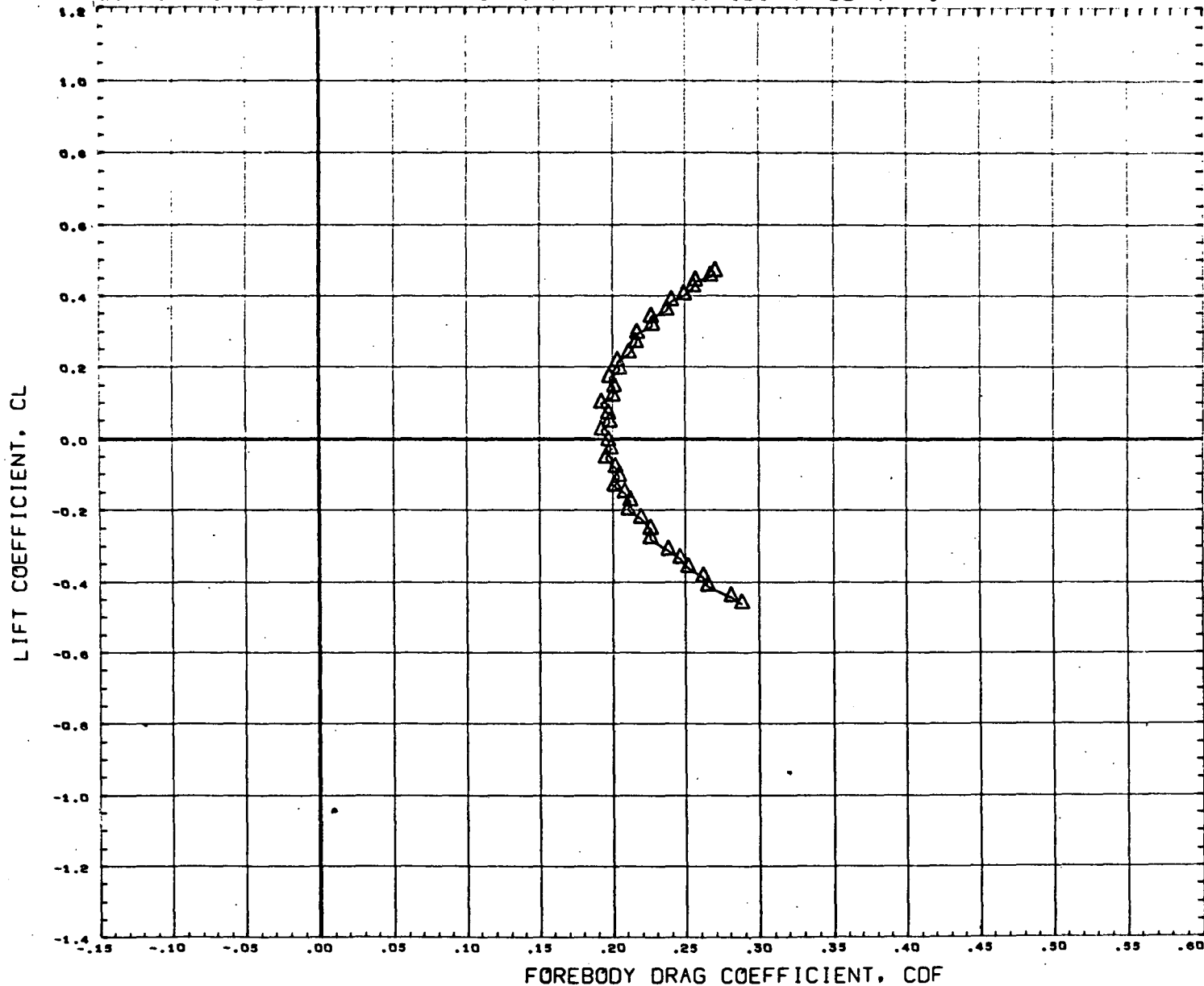
BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	862.0004	IN.
XMRP	957.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH 1.10

PAGE 43

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0



FOREBODY DRAG COEFFICIENT, CDF

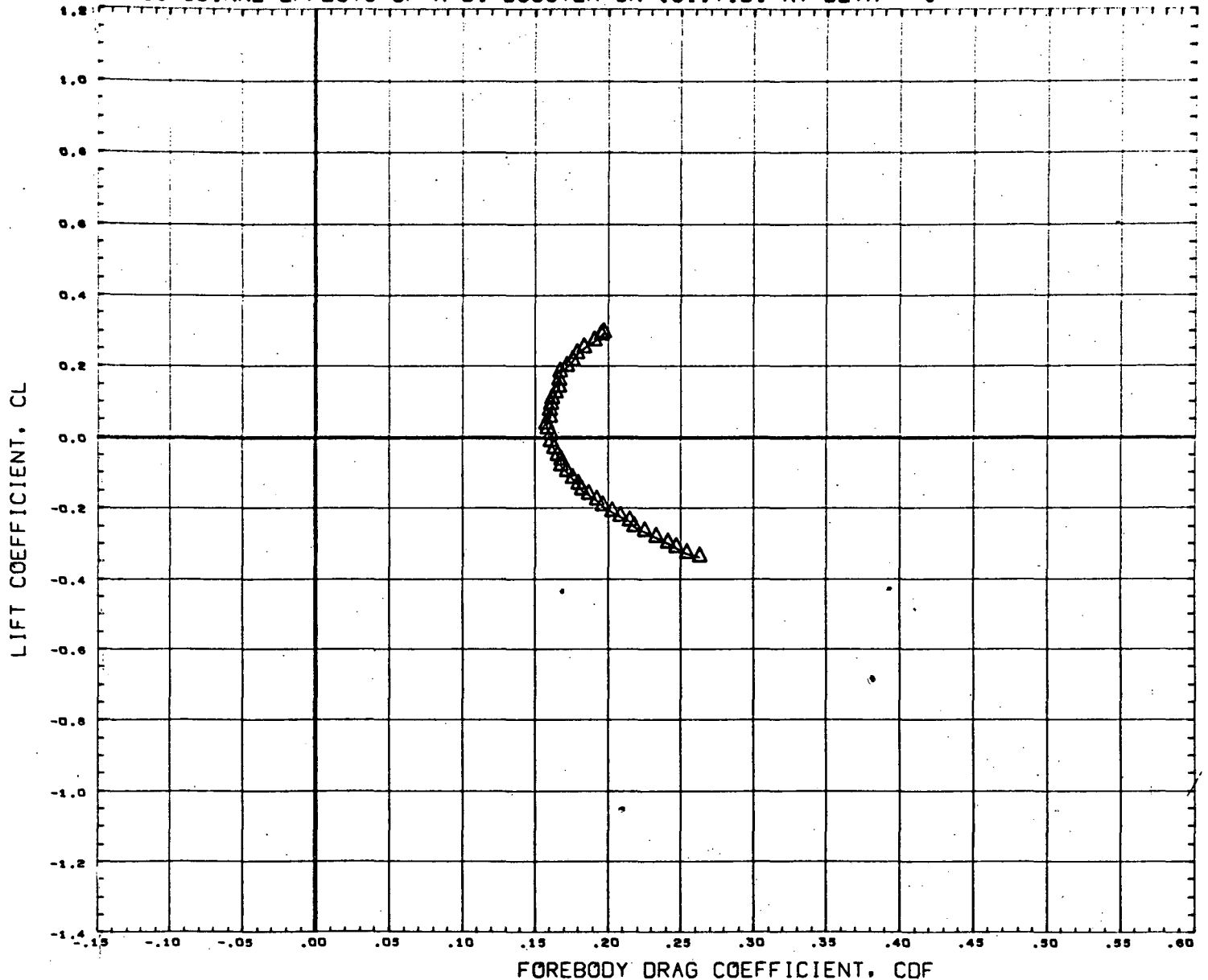
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7401) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7405) MDAC S-222 COMPOSITE (T-CG) (01)T1B1L(B1R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

PAGE 44

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

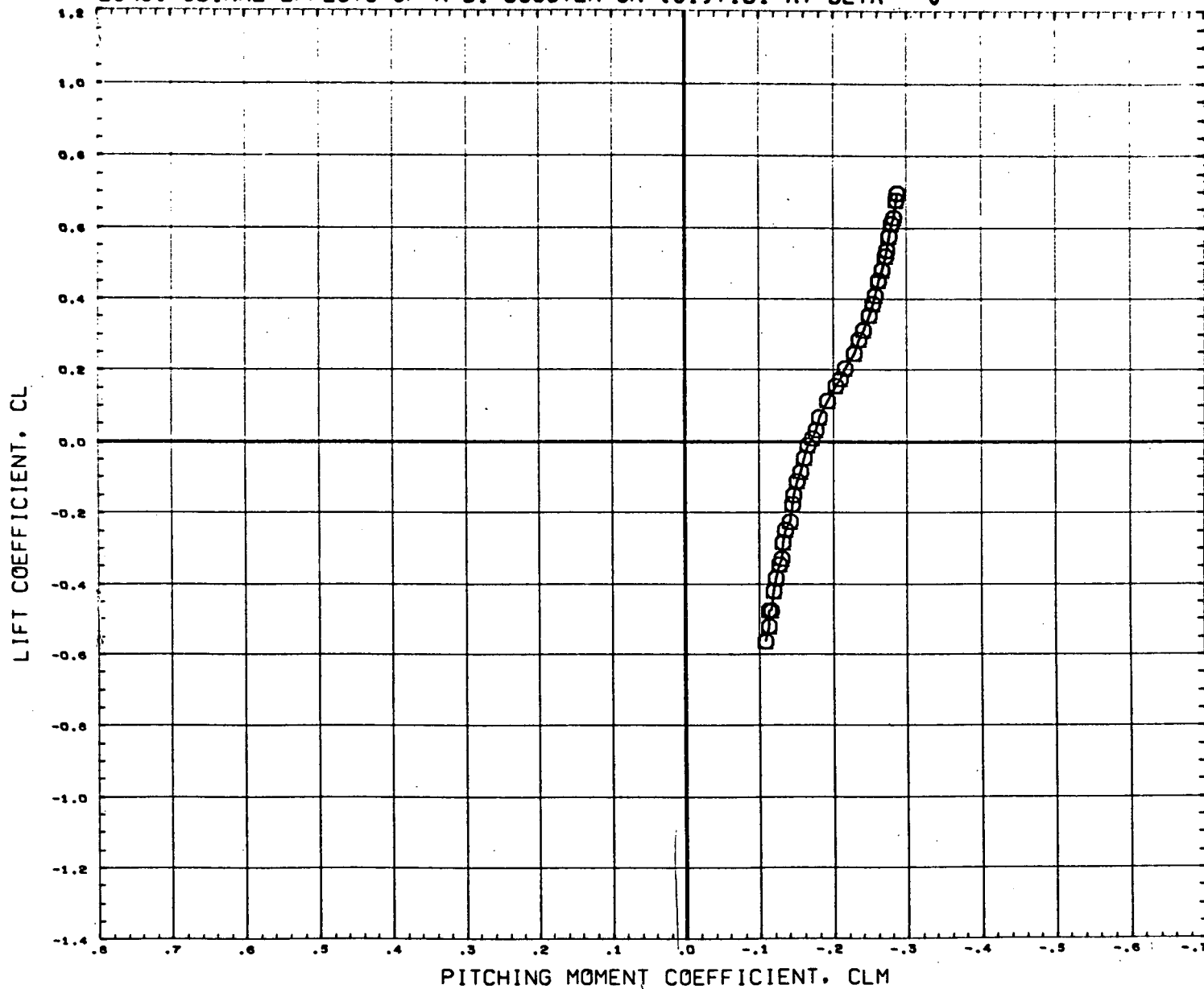
(CD7401) DATA NOT AVAILABLE FOR ALL CONDITIONS  
(CD7405) MDAC S-222 COMPOSITE (T-CG) (01)T1B1L (B1R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

PAGE 45

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7401) MDAC S-222 COMPOSITE (T-CG) (01)T1B1  
 (CD7405) DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

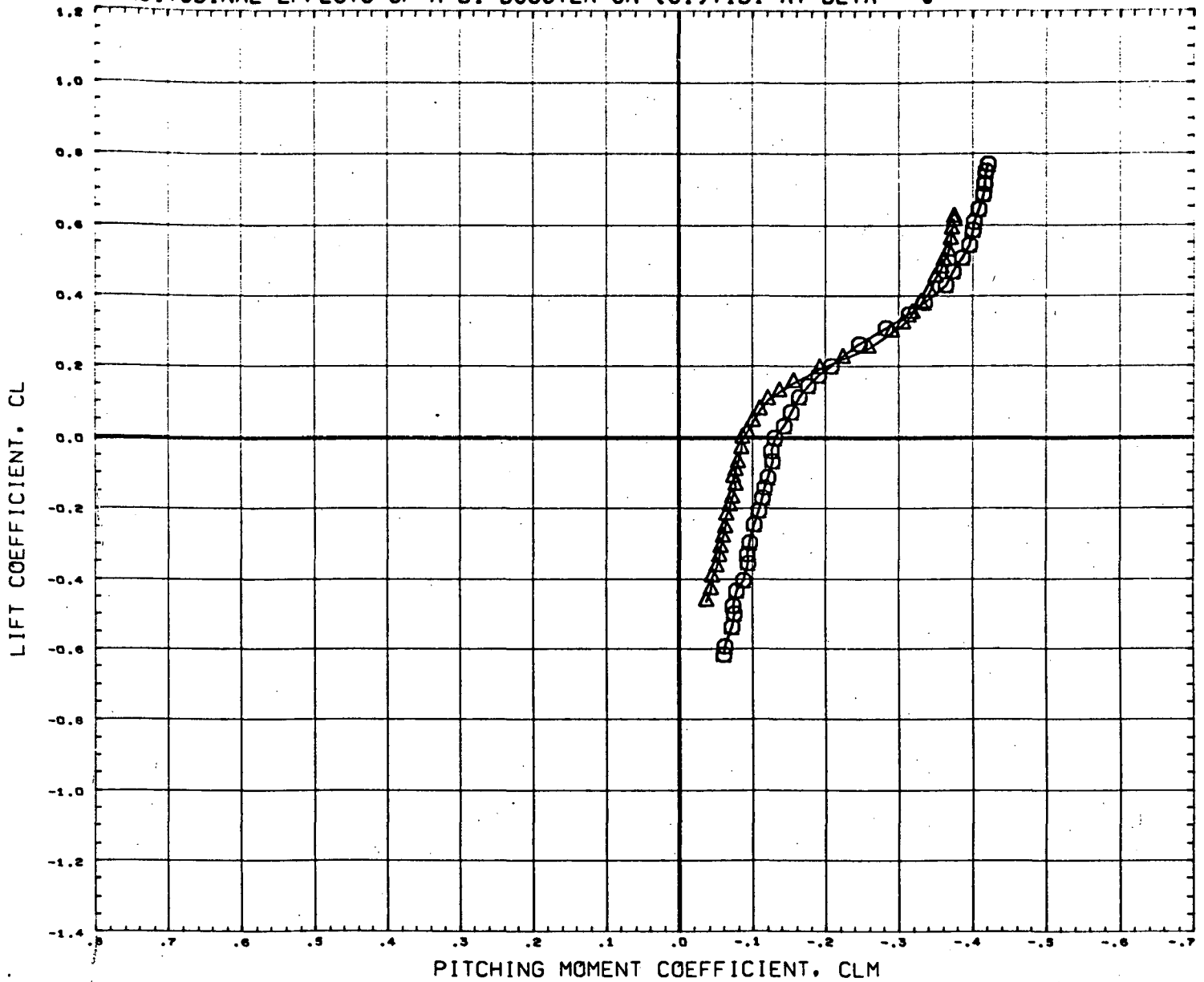
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH .59

PAGE 46



# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T1B1 AT BETA = 0

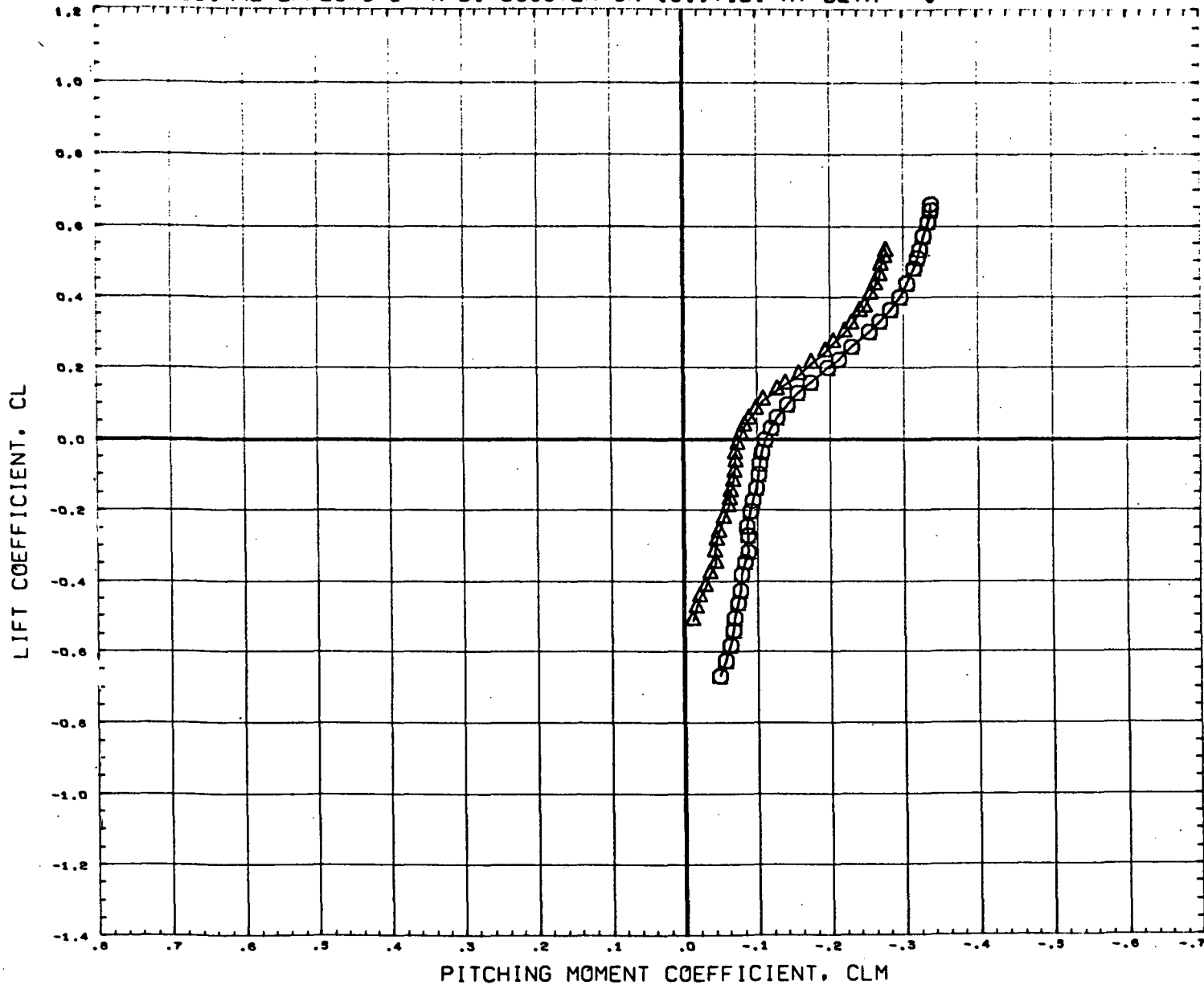


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7401)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7405)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B1L(B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 47

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T1B1 AT BETA = 0

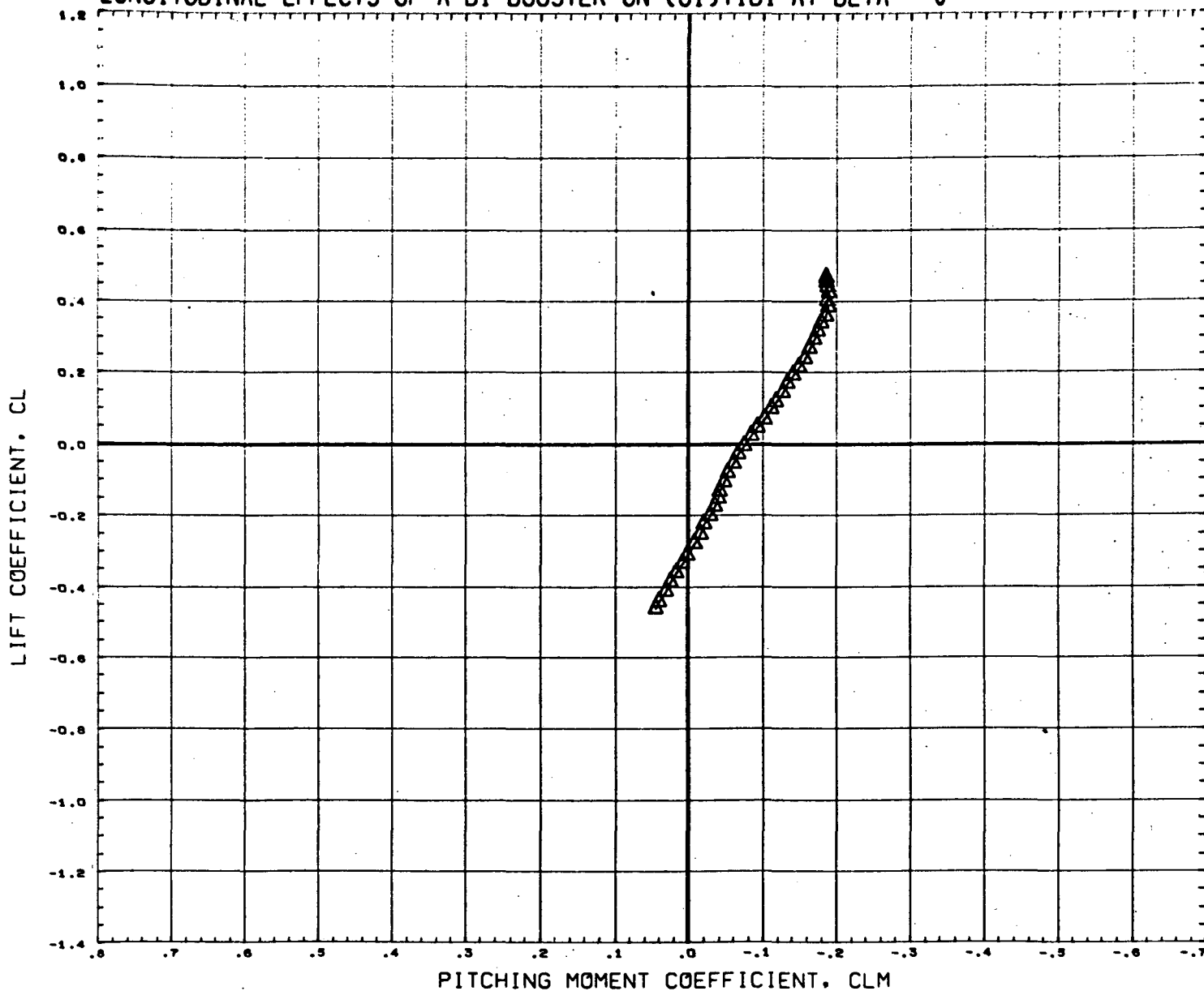


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7401)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7405)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.3004 IN.
						BREF	982.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

PAGE 48

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0



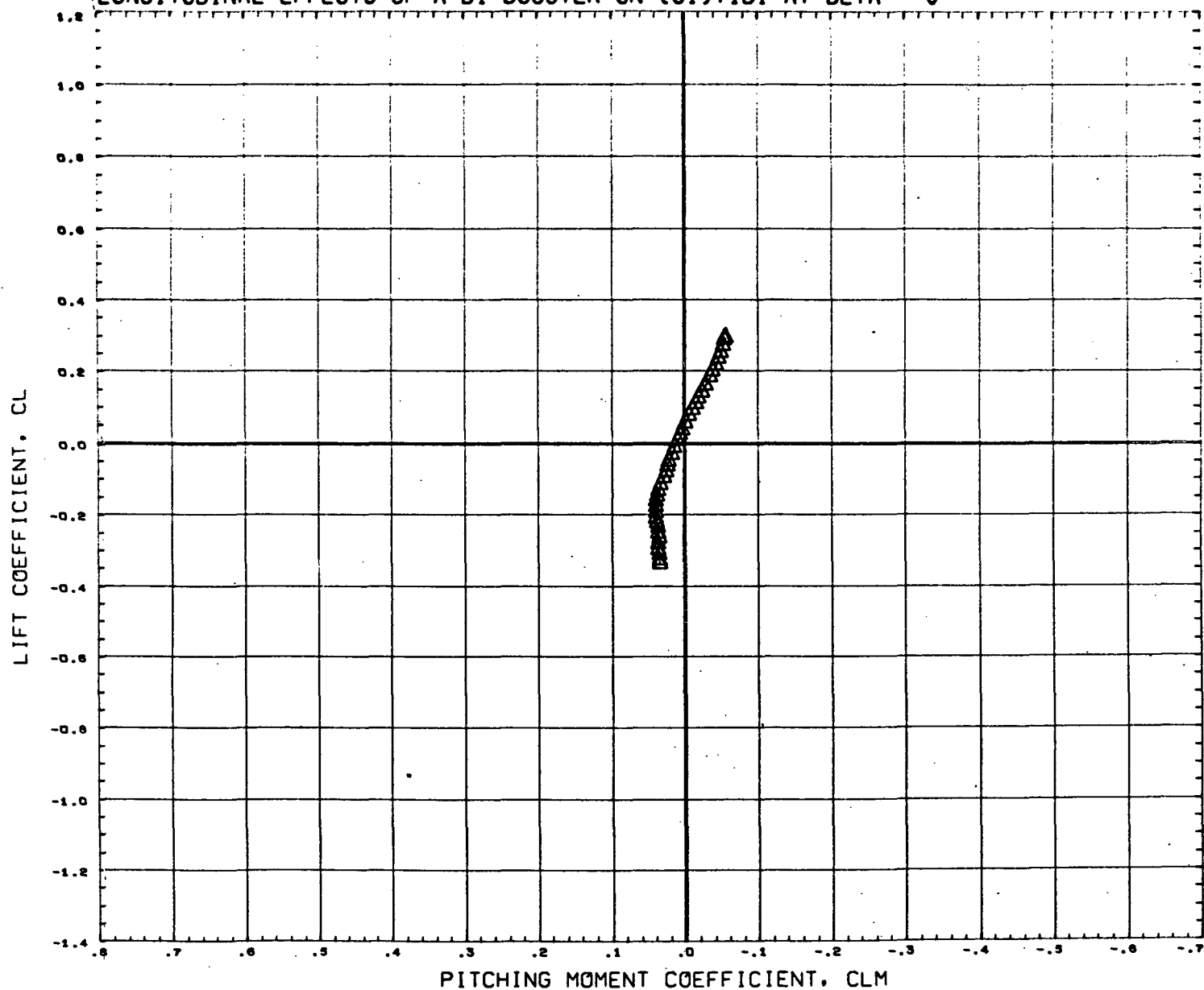
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7401)    DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7403)    MDAC S-222 COMPOSITE(T-CG) (01)T1B1L(B1R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	957.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH      2.20

PAGE      49

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7401) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7405) MDAC S-222 COMPOSITE (T-CG) (01)T1B1L (B1R)

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

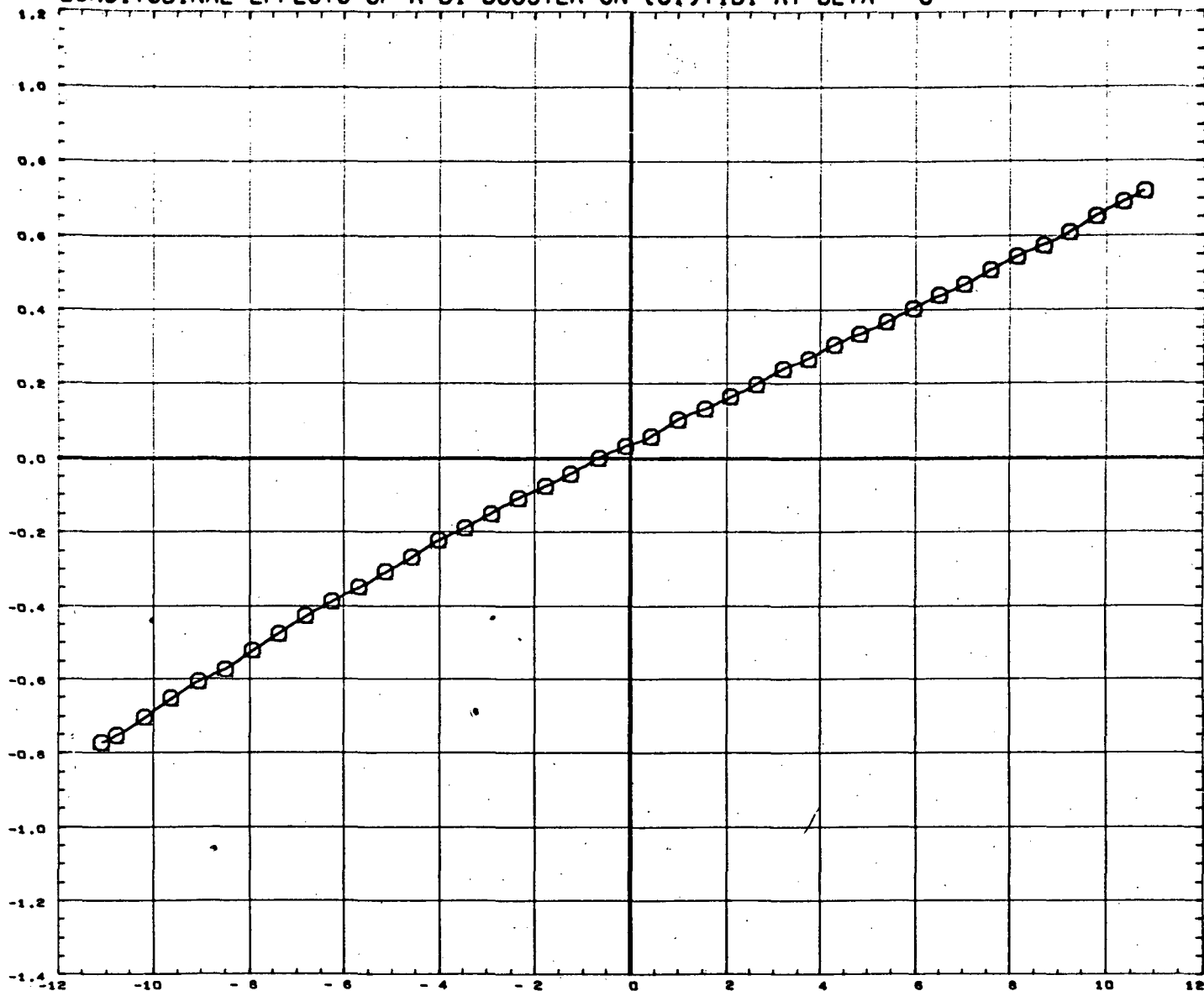
REFERENCE INFORMATION		
SREF	3155.3040	50. FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH 4.47

PAGE 50

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 6

NORMAL FORCE COEFFICIENT, CN



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7403) ○ MDAC S-222 COMPOSITE (T-CG) (01)T1B1  
 (CD7407) △ DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7408) ◇ DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	809.9004 IN.
6.000	0.000	0.000	0.000	BREF	882.0004 IN.
				XMRP	537.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

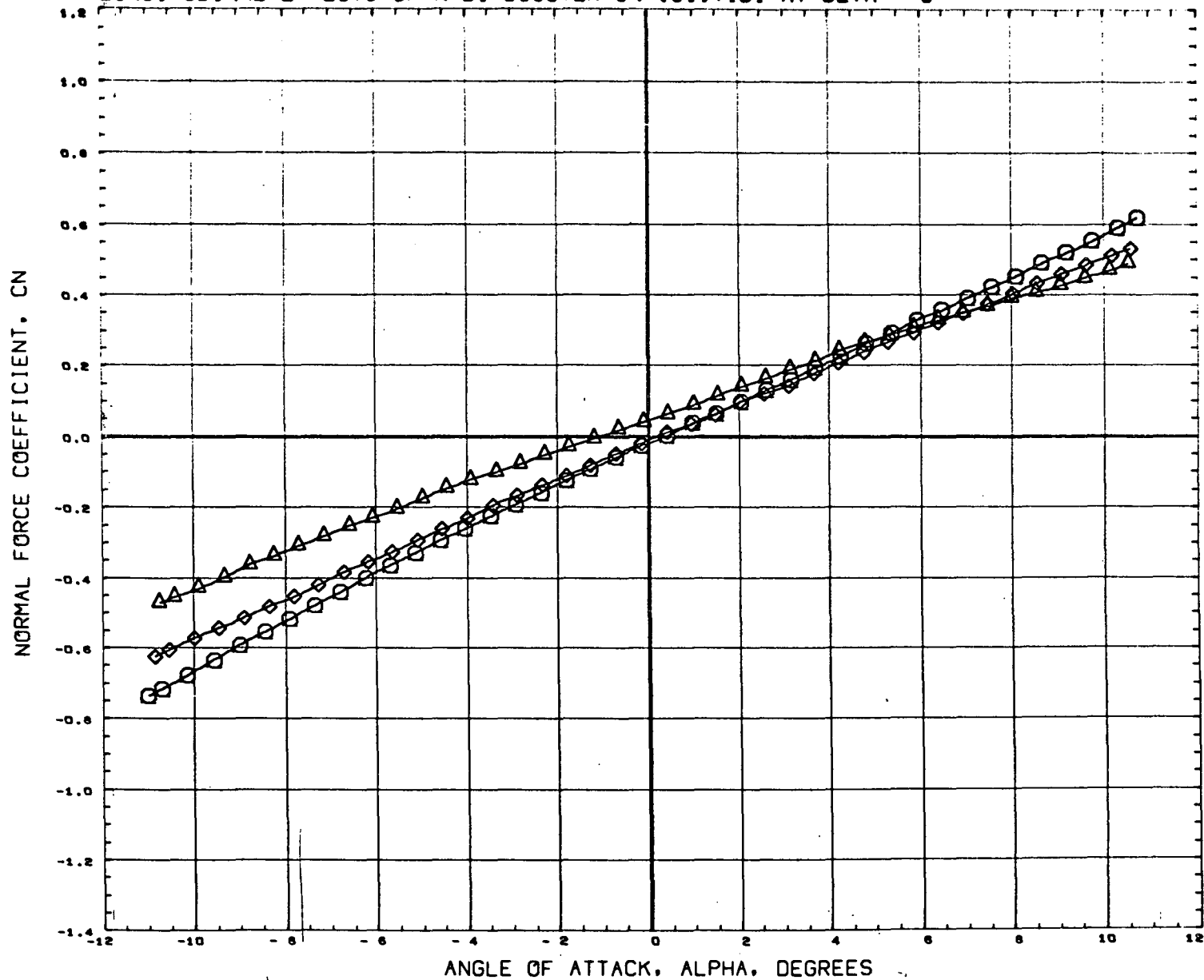
MACH

1.51

PAGE

51

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T1B1 AT BETA = 6

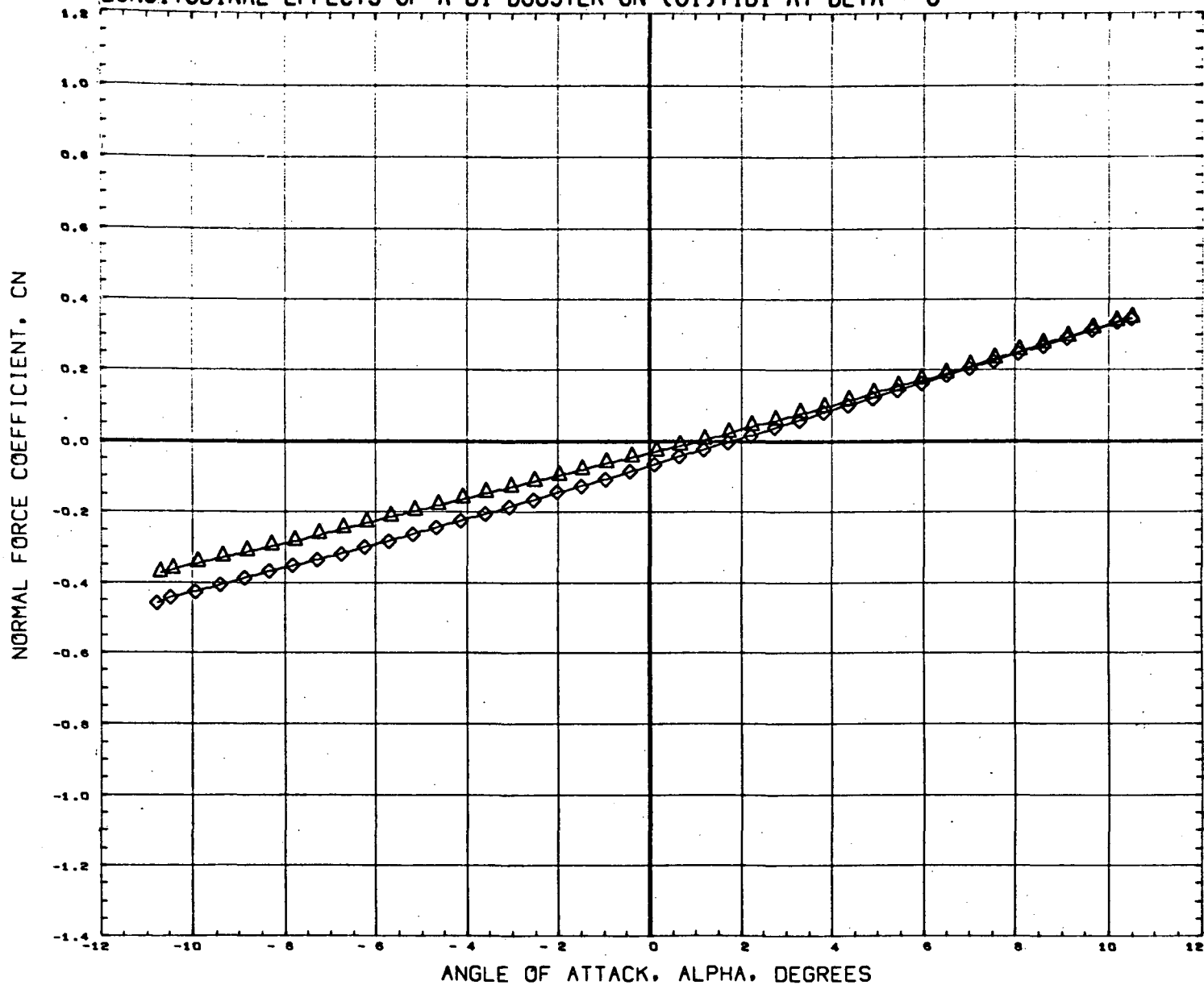


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7403)	MDAC S-222 COMPOSITE(T-CG) (O1)T1B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7407)	MDAC S-222 COMPOSITE(T-CG) (O1)T1B1L(B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7408)	MDAC S-222 COMPOSITE(T-CG) (O1)T1(B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 52

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T1B1 AT BETA = 6

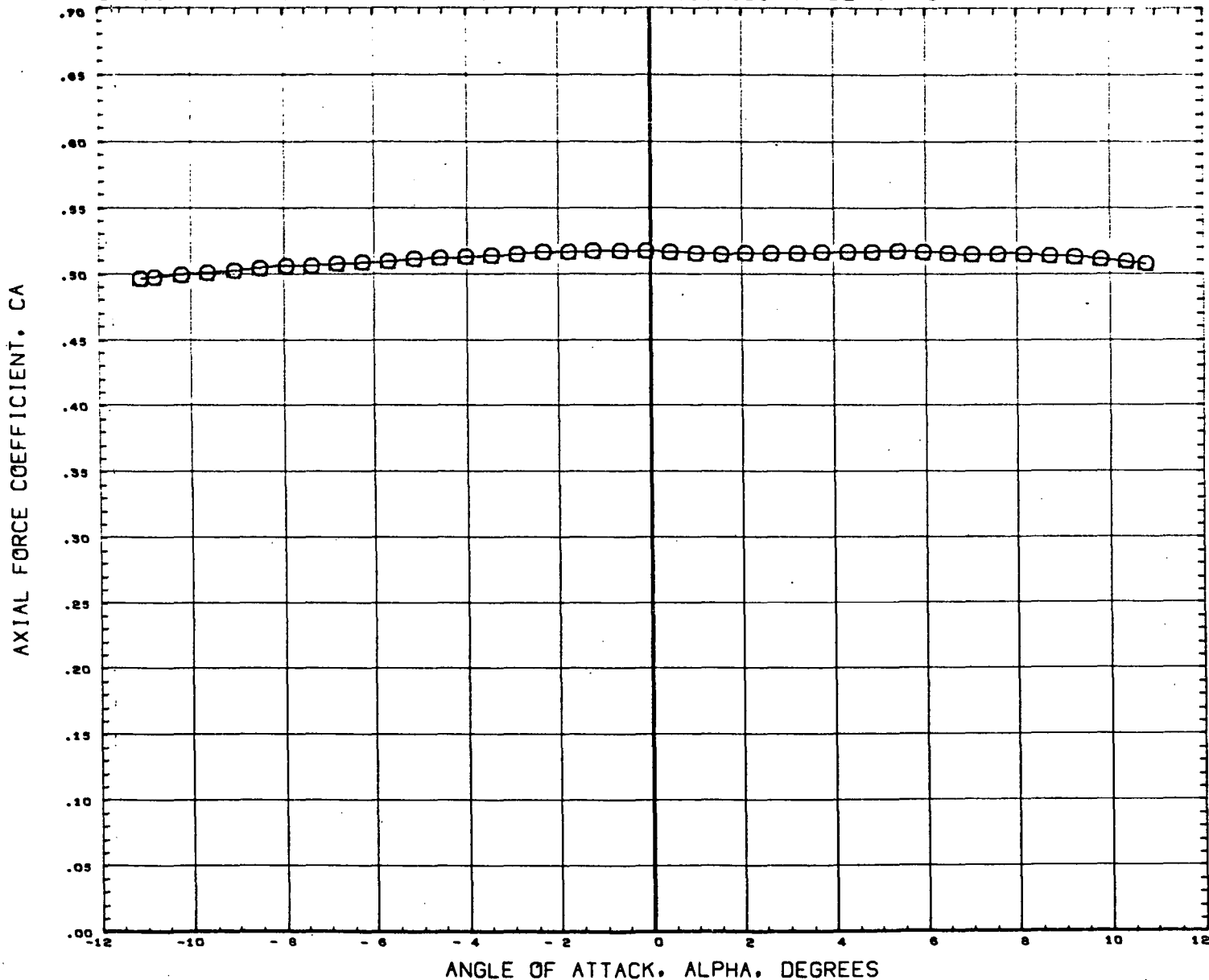


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7403)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7407)	MDAC S-222 COMPOSITE (T-CG) (O1) T1B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7408)	MDAC S-222 COMPOSITE (T-CG) (O1) T1 (B1L) B1R	6.000	0.000	0.000	0.000	BREF	662.0004 IN.
						XMRF	557.0074 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 53

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7403)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1
(CD7407)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(CD7408)	DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3195.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
6.000	0.000	0.000	0.000	BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

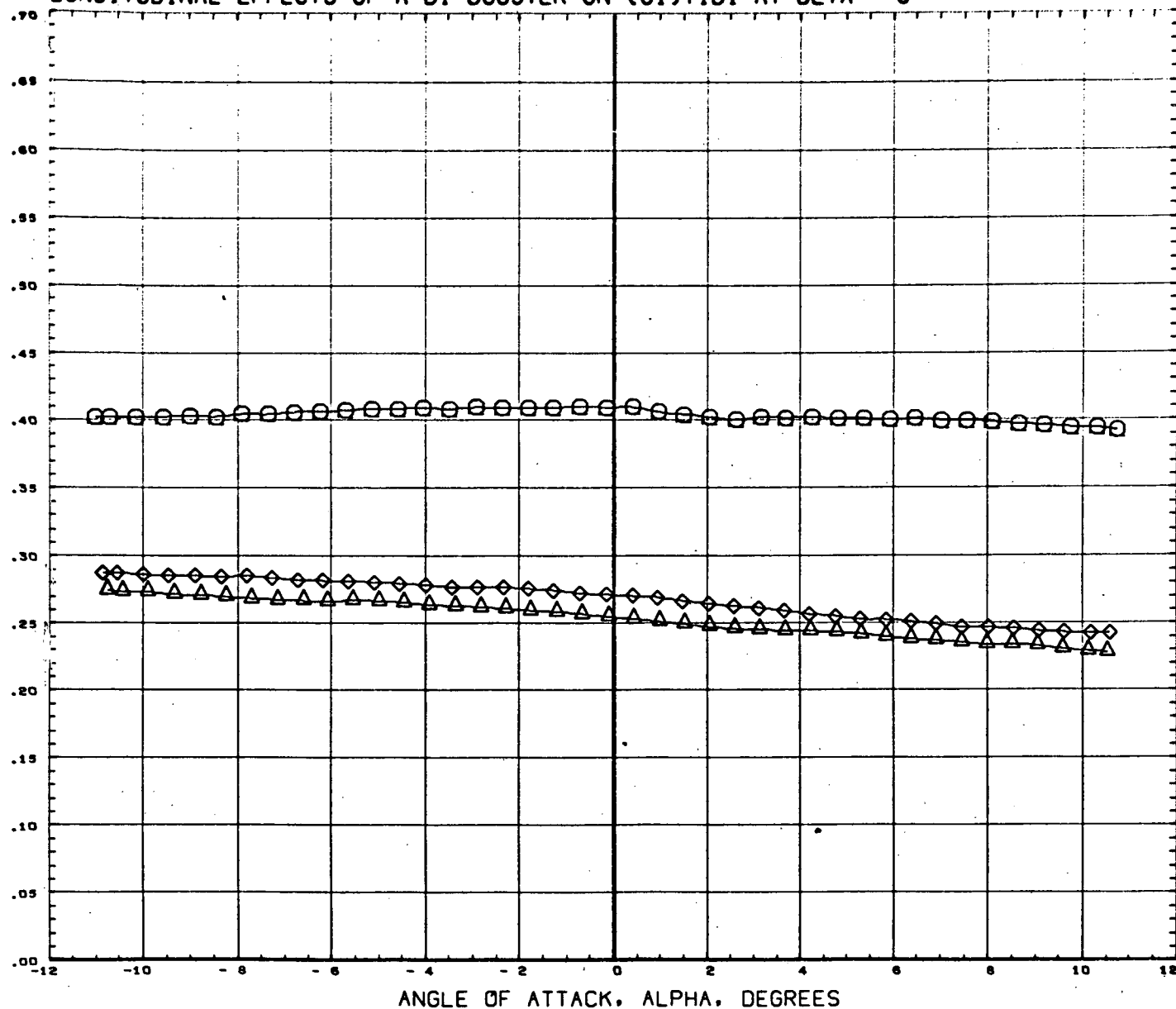
MACH 1.51

PAGE 54



# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T1B1 AT BETA = 6

AXIAL FORCE COEFFICIENT, CA

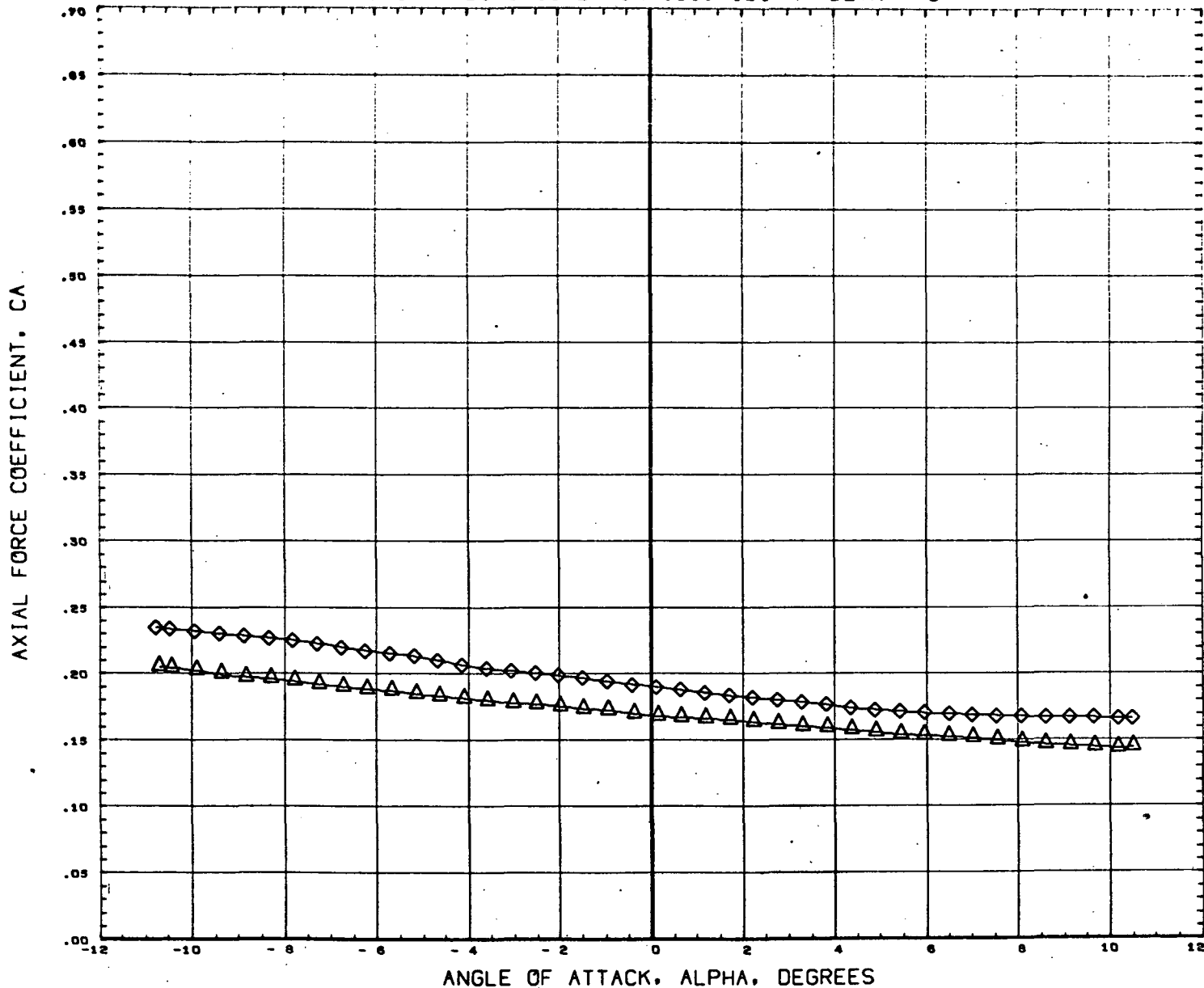


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7403)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7407)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7409)	MDAC S-222 COMPOSITE (T-CG) (O1)T1(B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 55

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 6



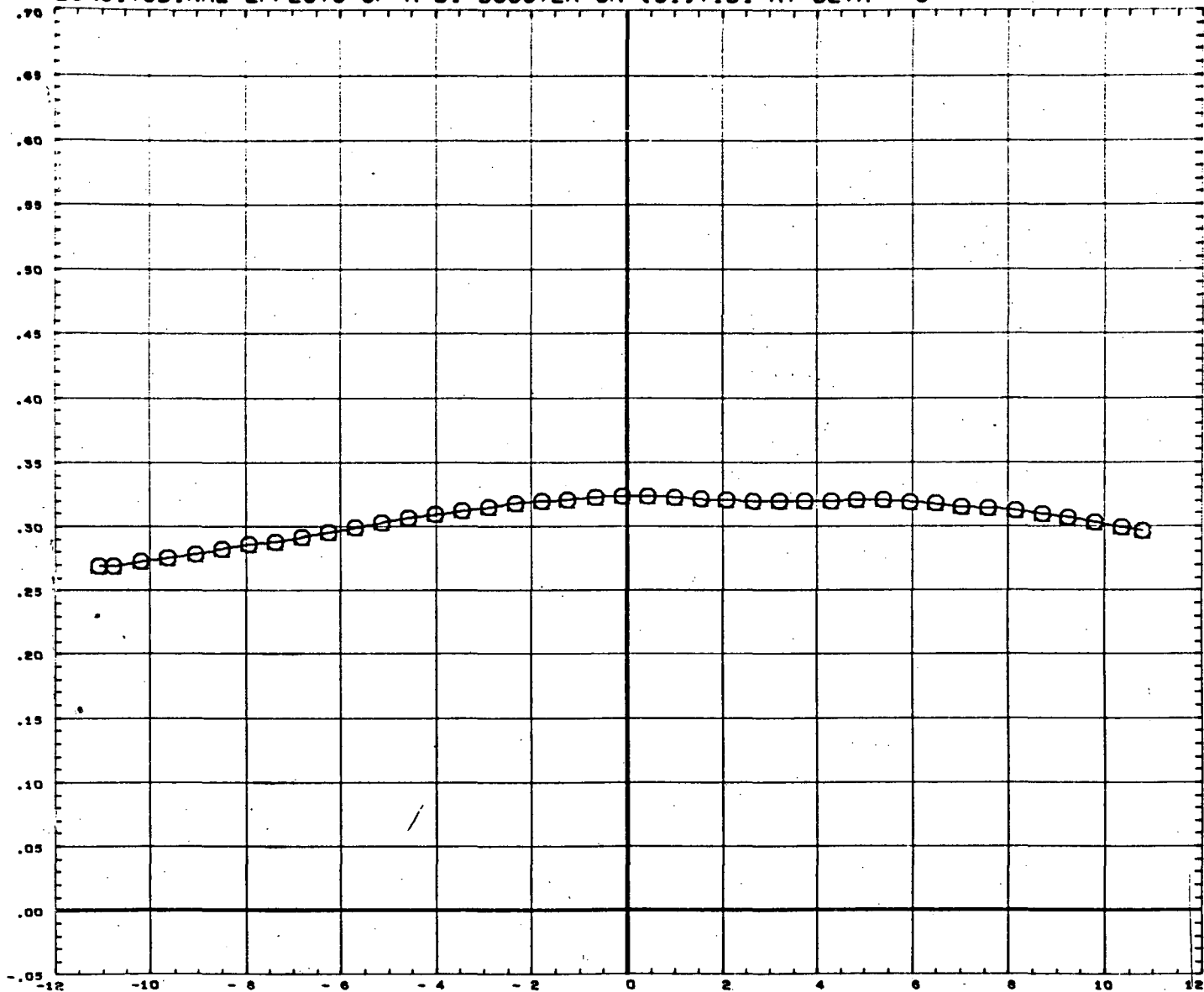
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7403)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7407)	MDAC S-222 COMPOSITE(T-CG) (01) T1B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7408)	MDAC S-222 COMPOSITE(T-CG) (01) T1 (B1L) B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 56

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 6

FOREBODY AXIAL FORCE COEFFICIENT, CAF



ANGLE OF ATTACK, ALPHA, DEGREES

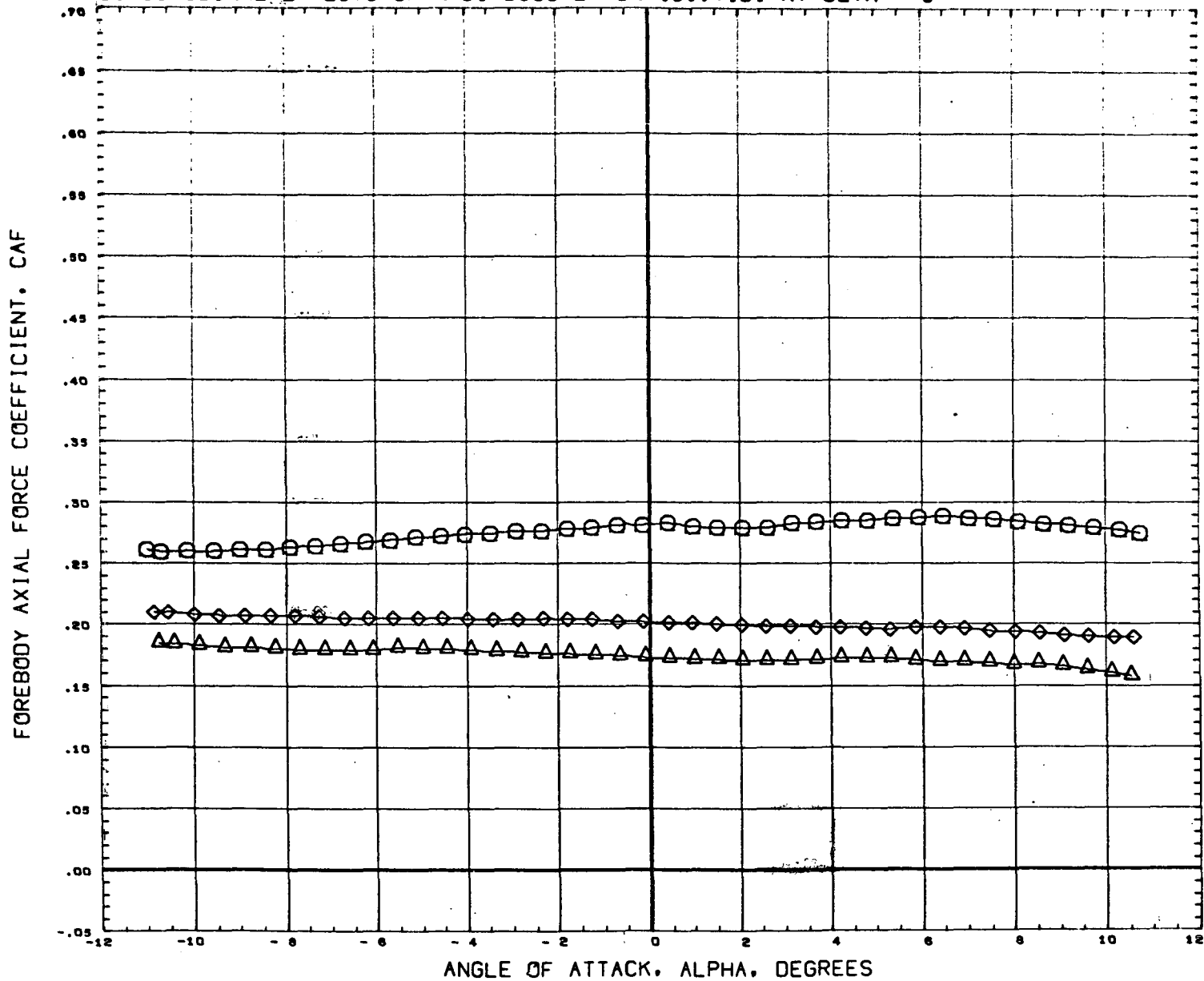
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7403)  $\square$  MDAC S-222 COMPOSITE (T-CG) (01)T1B1  
 (CD7407)  $\square$  DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7408)  $\diamond$  DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3153.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
6.000	0.000	0.000	0.000	BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0080

MACH 1.51

PAGE 57

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 6



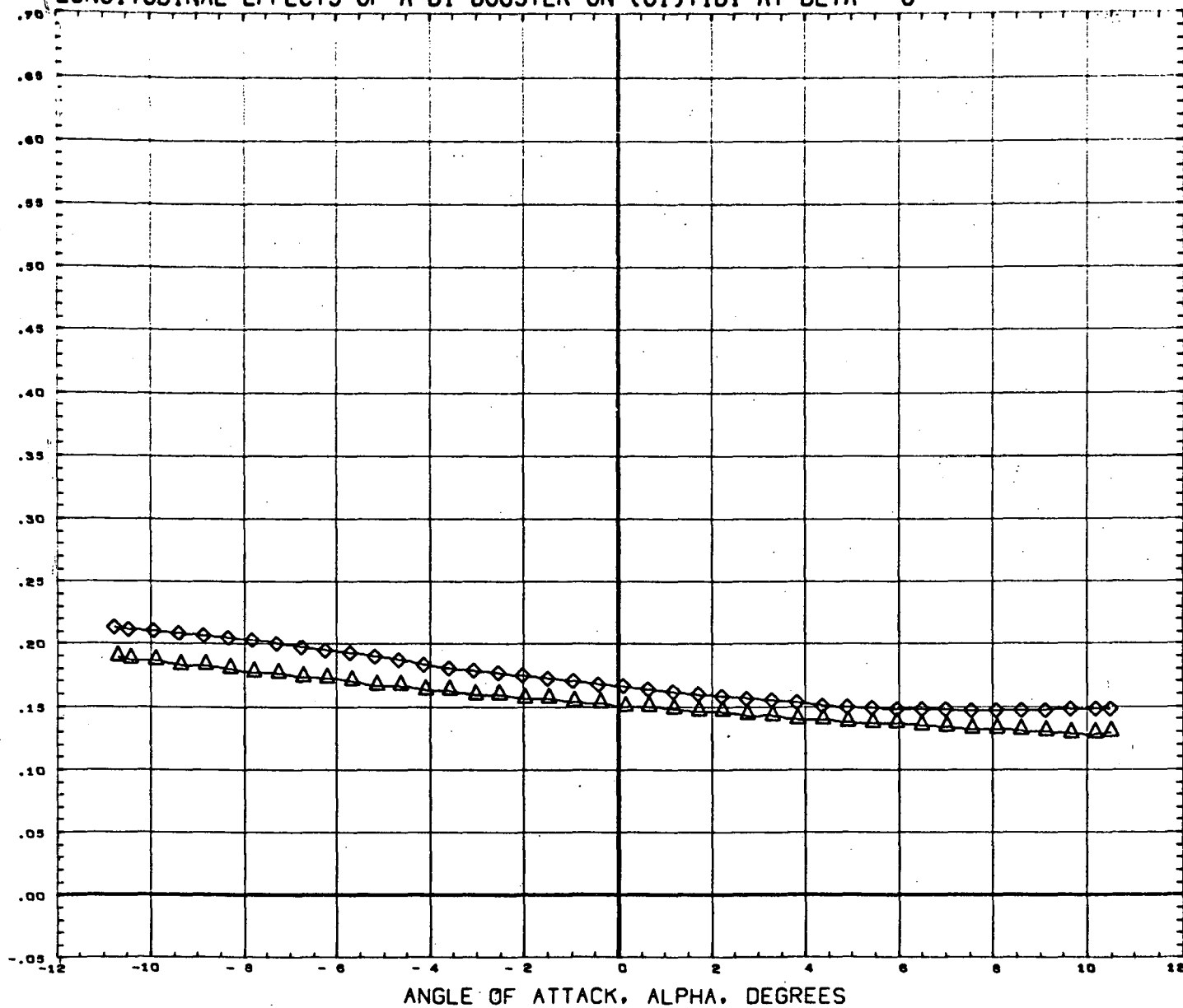
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7403)	MDAC S-222 COMPOSITE (T-CG) (01) T1B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7407)	MDAC S-222 COMPOSITE (T-CG) (01) T1B1L (81R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7408)	MDAC S-222 COMPOSITE (T-CG) (01) T1 (81L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 58

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T1B1 AT BETA = 6

FOREBODY AXIAL FORCE COEFFICIENT, CAF



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7403)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7407)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7408)	MDAC S-222 COMPOSITE (T-CG) (O1)T1 (B1L)B1R	6.000	0.000	0.000	0.000	BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

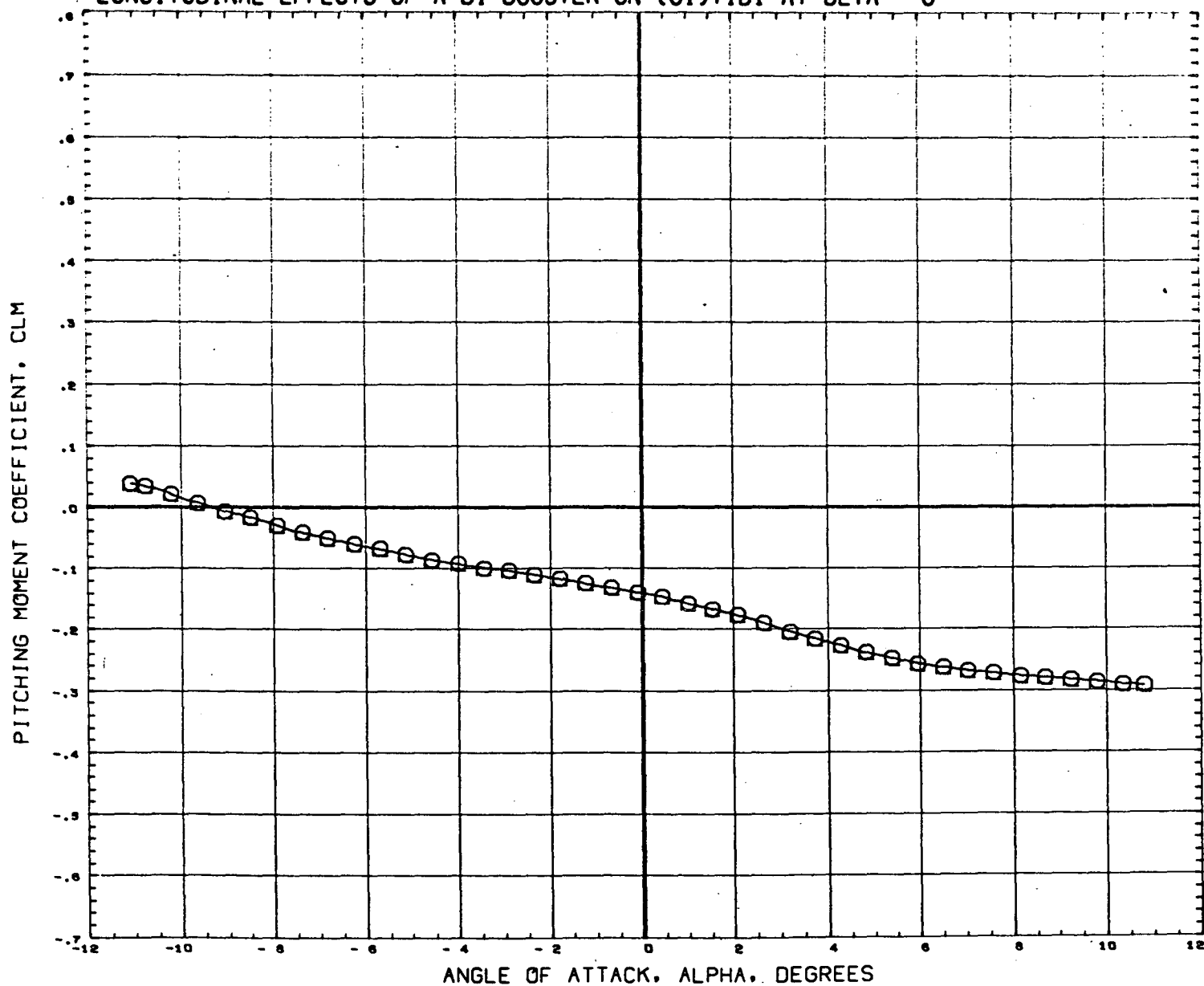
MACH

4.47

PAGE

59

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T1B1 AT BETA = 6

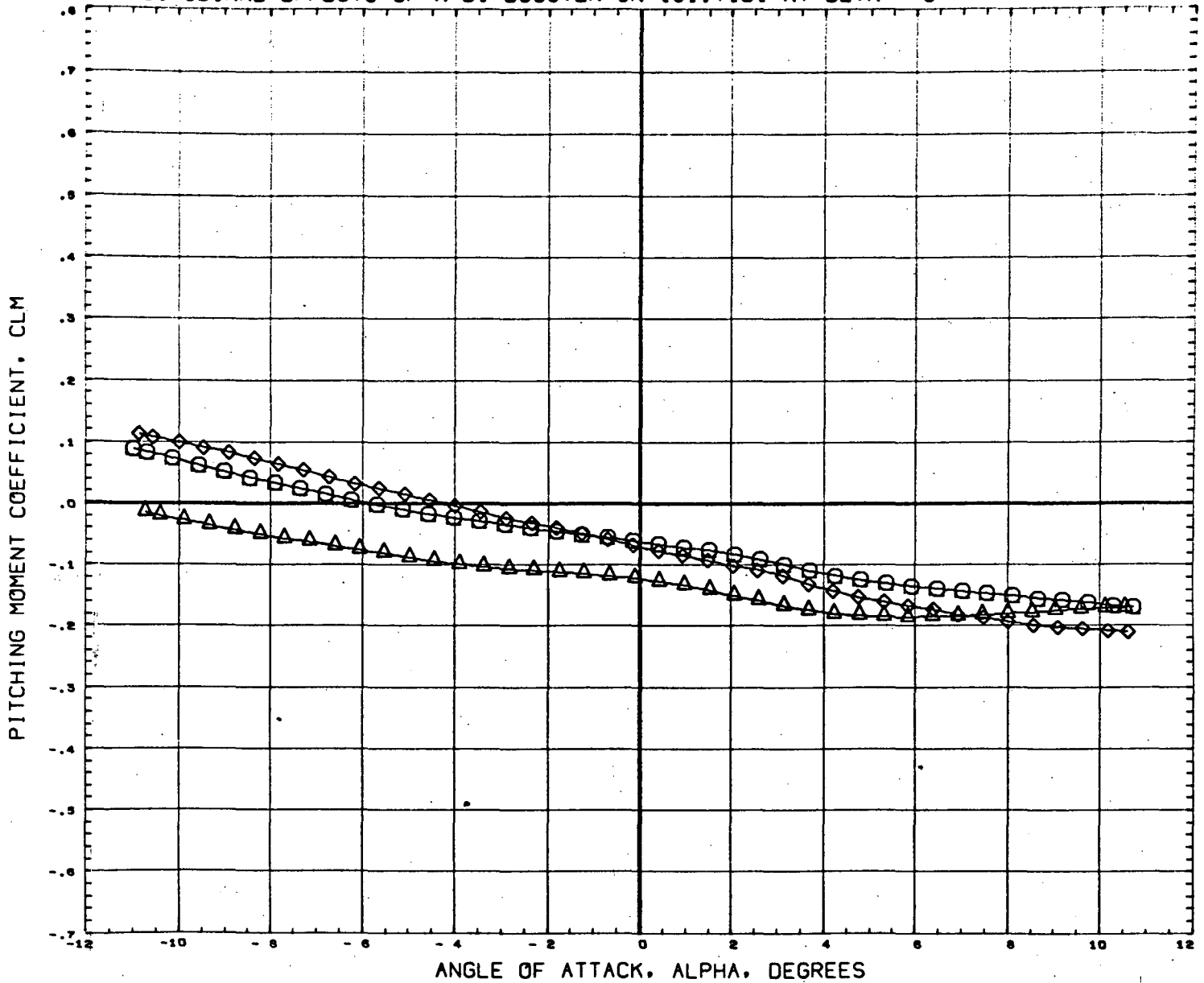


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7403)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7407)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7408)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BREF	682.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

PAGE 60

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T1B1 AT BETA = 6

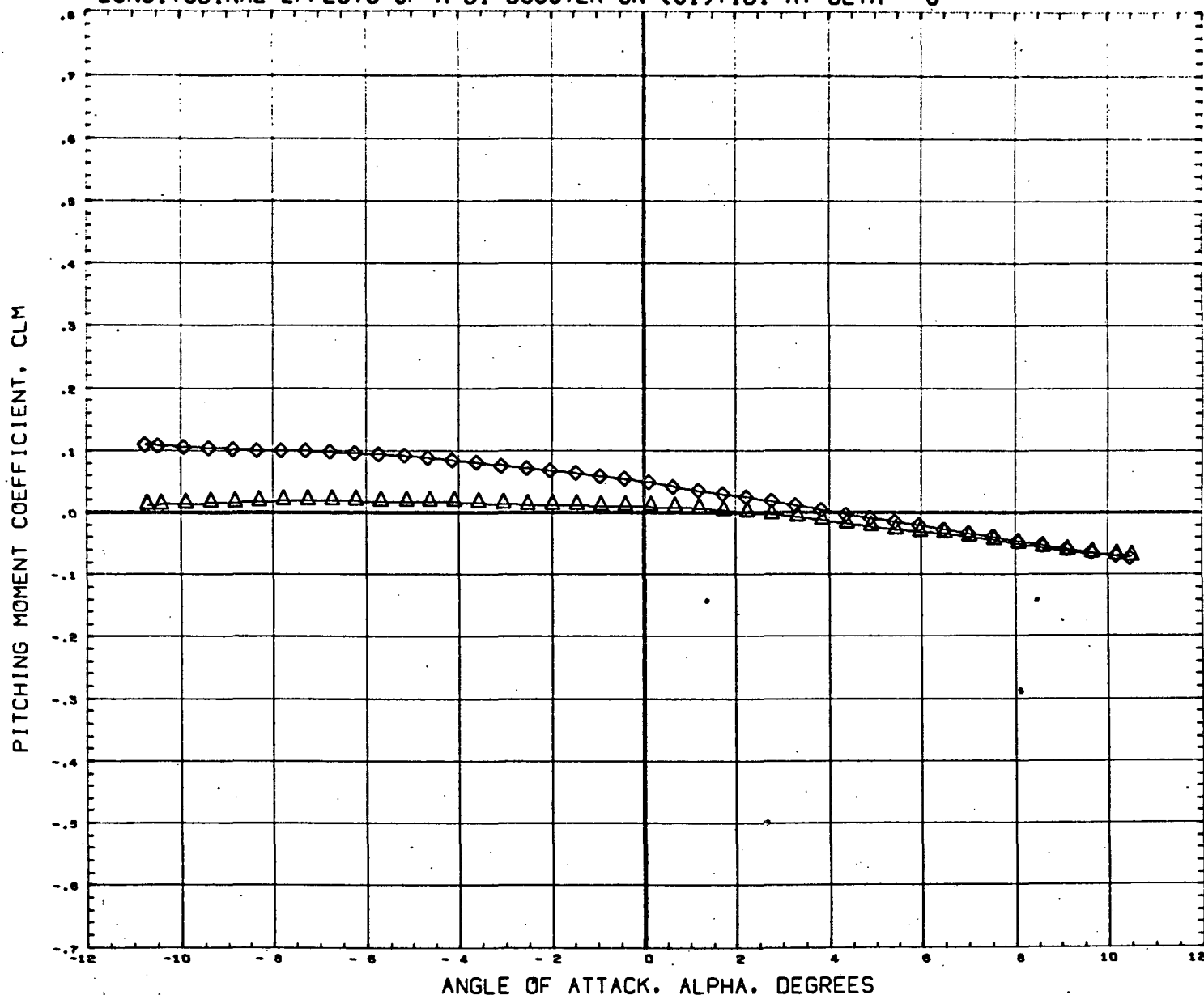


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7403)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7407)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7408)	MDAC S-222 COMPOSITE (T-CG) (O1)T1 (B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 61

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 6



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR.	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7403)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7407)	△	MDAC S-222 COMPOSITE (T-CG) (01) T1B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7408)	◇	MDAC S-222 COMPOSITE (T-CG) (01) T1 (B1L) B1R	6.000	0.000	0.000	0.000	BREF	662.0004 IN.
							XMRP	537.0004 IN.
							YMRP	0.0000 IN.
							ZMRP	200.0004 IN.
							SCALE	0.0060

MACH

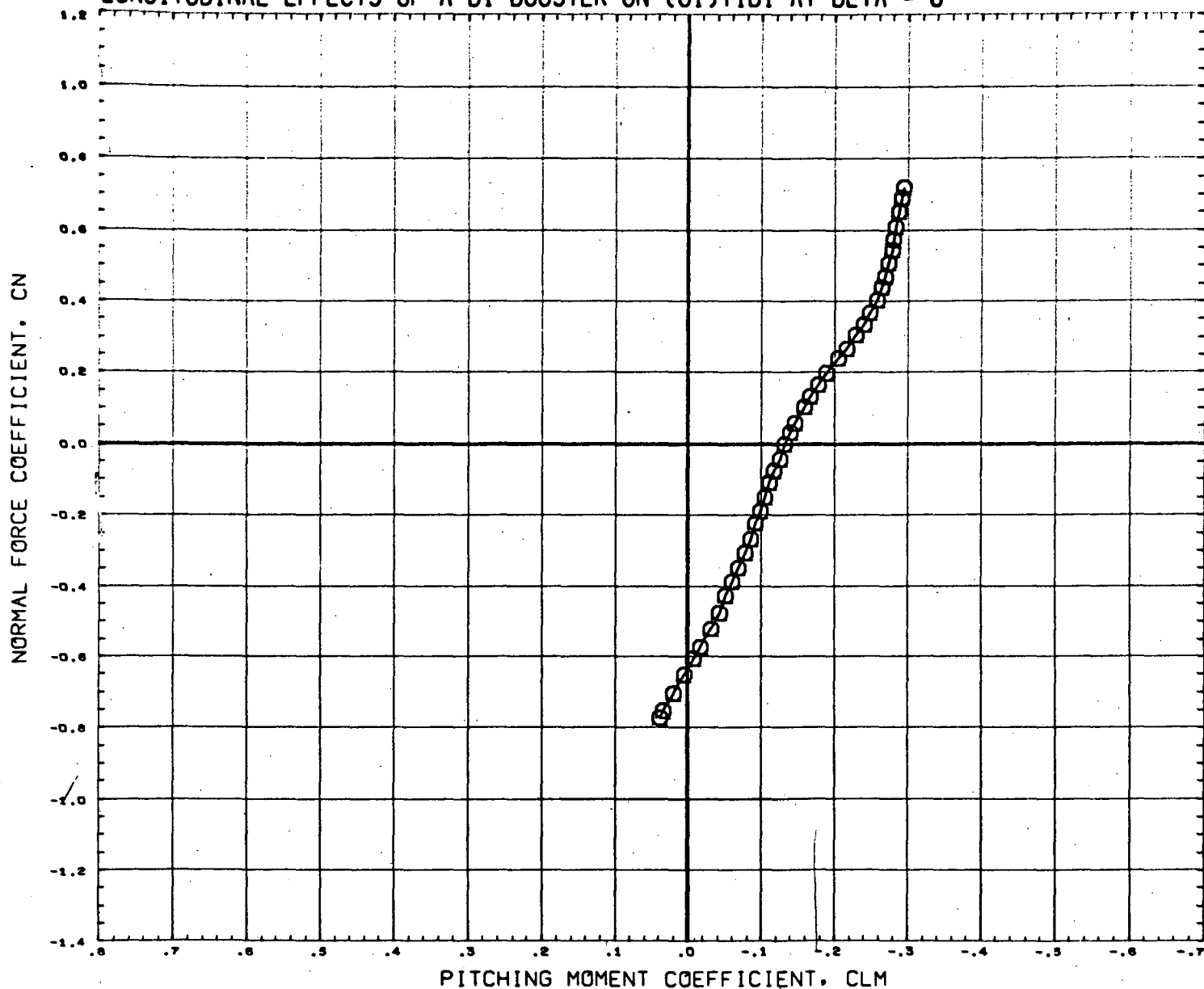
4.47

PAGE

62



# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 6

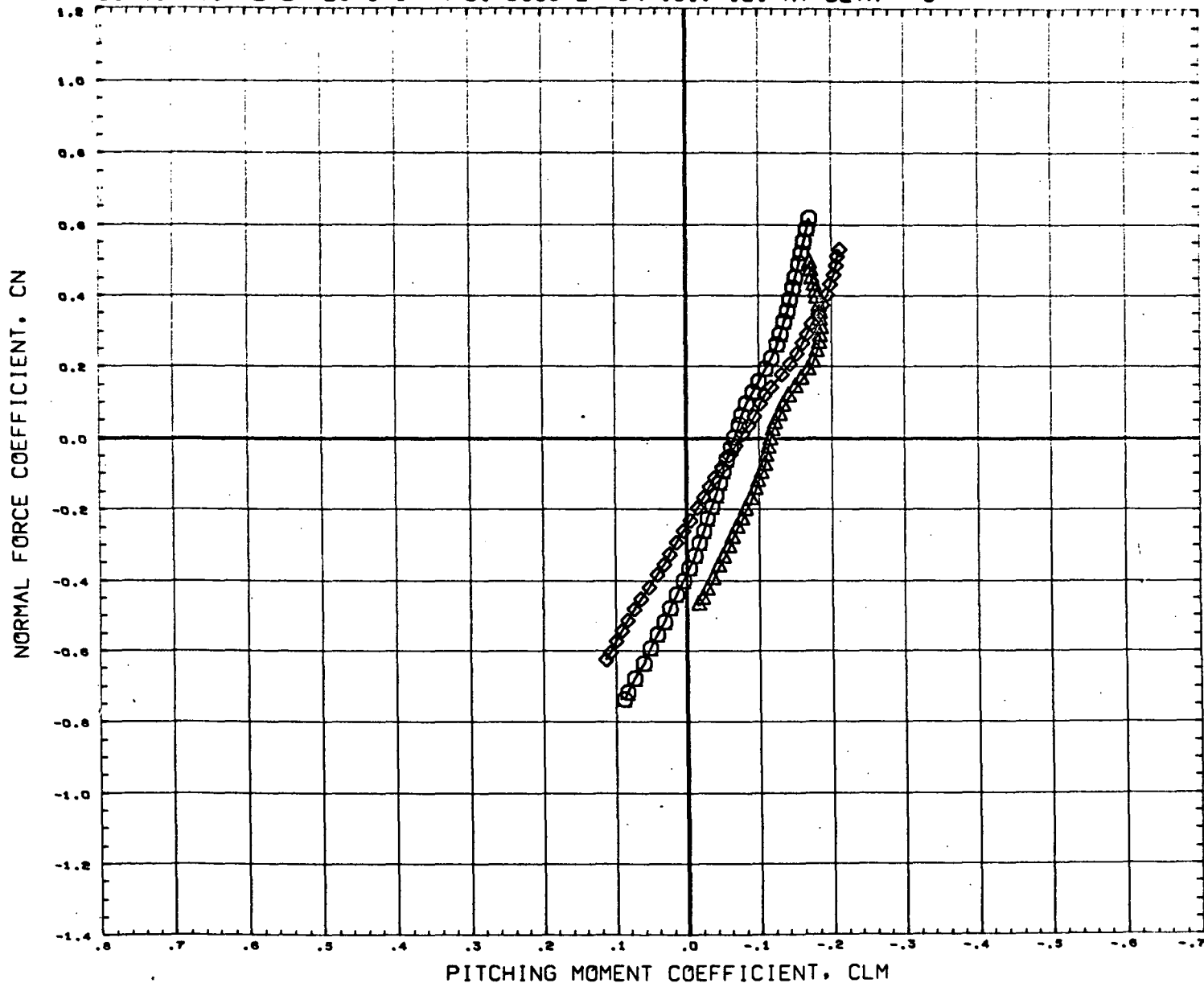


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7403)	MDAC S-222 COMPOSITE(T-CG) (01)T1B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7407)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7408)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BREF	662.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

PAGE 63

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 6

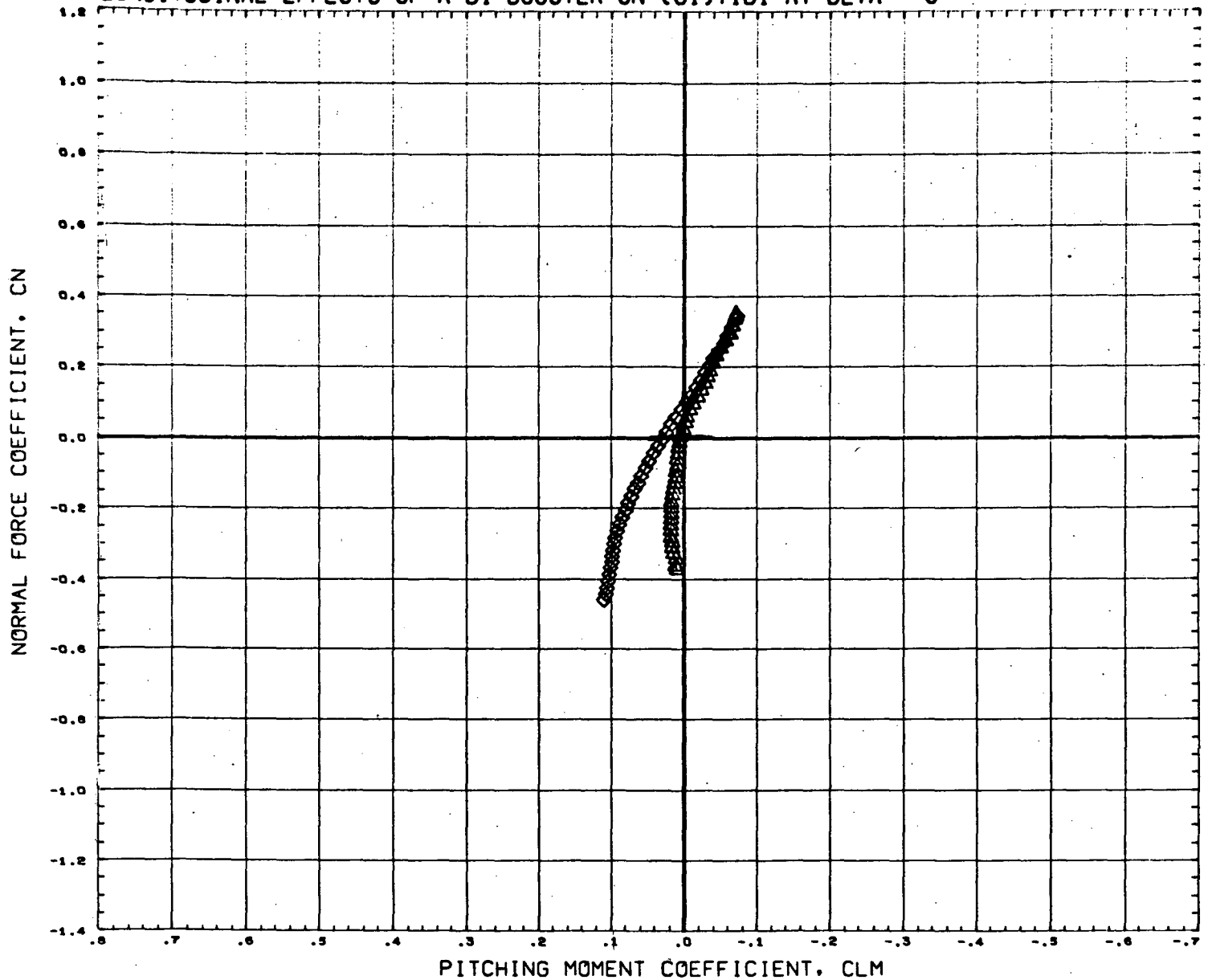


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(C07403)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1	6.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(C07407)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1L(B1R)	6.000	0.000	0.000	0.000	LREF	609.5004	IN.
(C07408)	MDAC S-222 COMPOSITE (T-CG) (01)T1(B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004	IN.
						XMRF	557.0004	IN.
						YMRF	0.0000	IN.
						ZMRF	200.0004	IN.
						SCALE	0.0060	

MACH 2.20

PAGE 64

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 6



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7403) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7407) HDAC S-222 COMPOSITE (T-CG) (01) T1B1L (B1R)  
 (CD7408) HDAC S-222 COMPOSITE (T-CG) (01) T1 (B1L) B1R

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.3004 IN.
6.000	0.000	0.000	0.000	BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

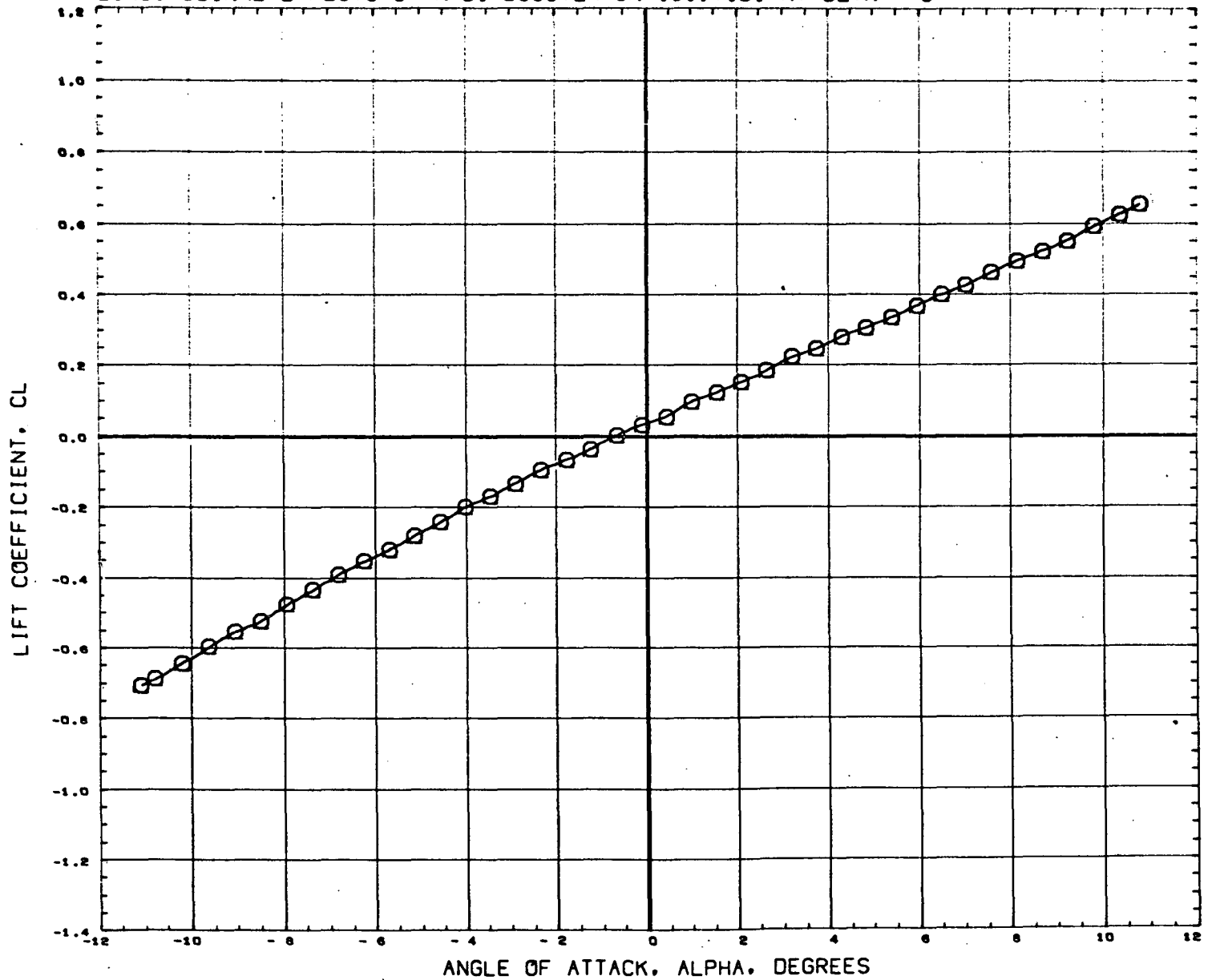
MACH

4.47

PAGE

65

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 6



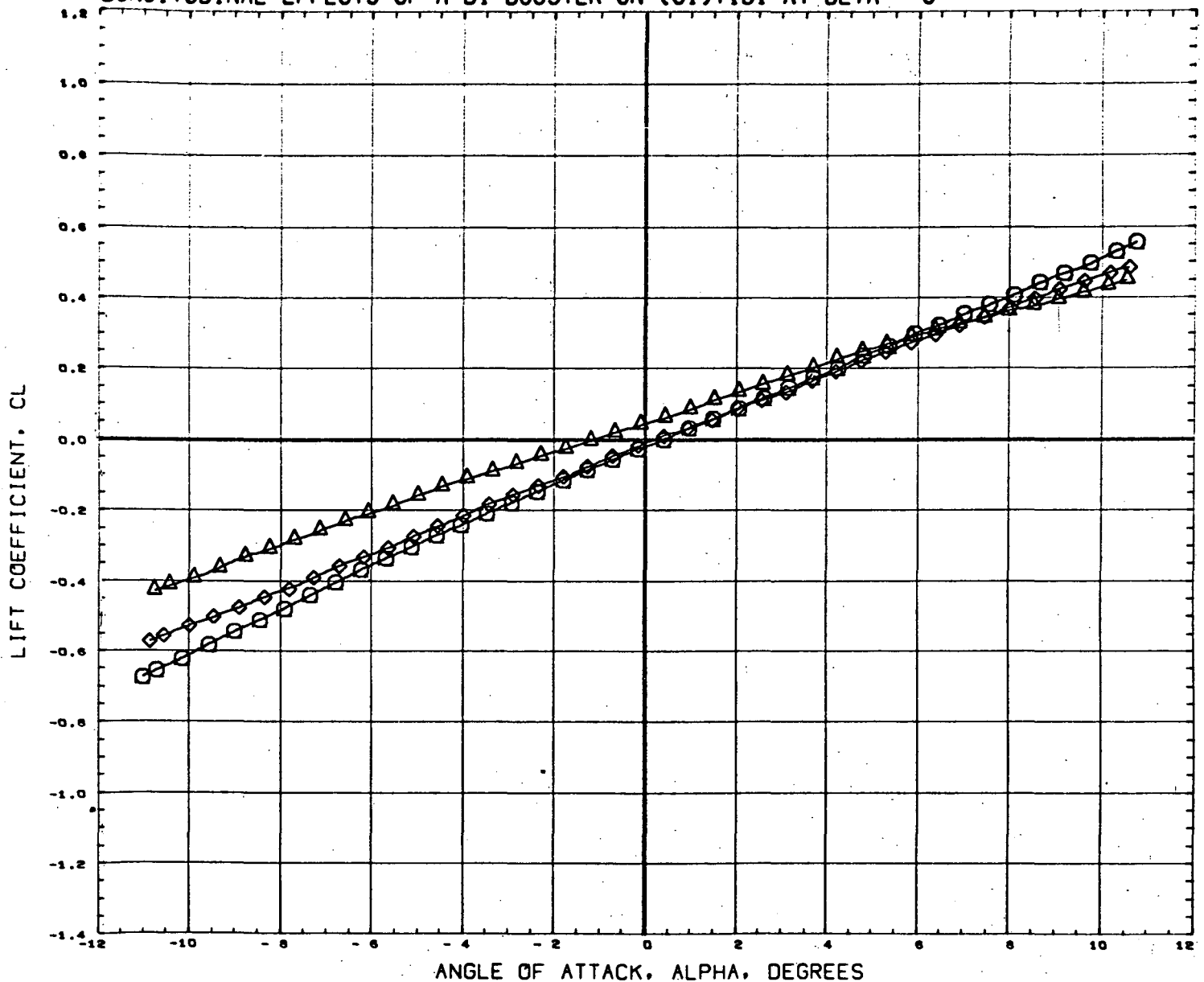
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7403)    ○    MDAC S-222 COMPOSITE (T-CG) (01)T1B1  
 (CD7407)    △    DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7408)    ◇    DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
6.000	0.000	0.000	0.000	BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH            1.51

PAGE            66

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 6

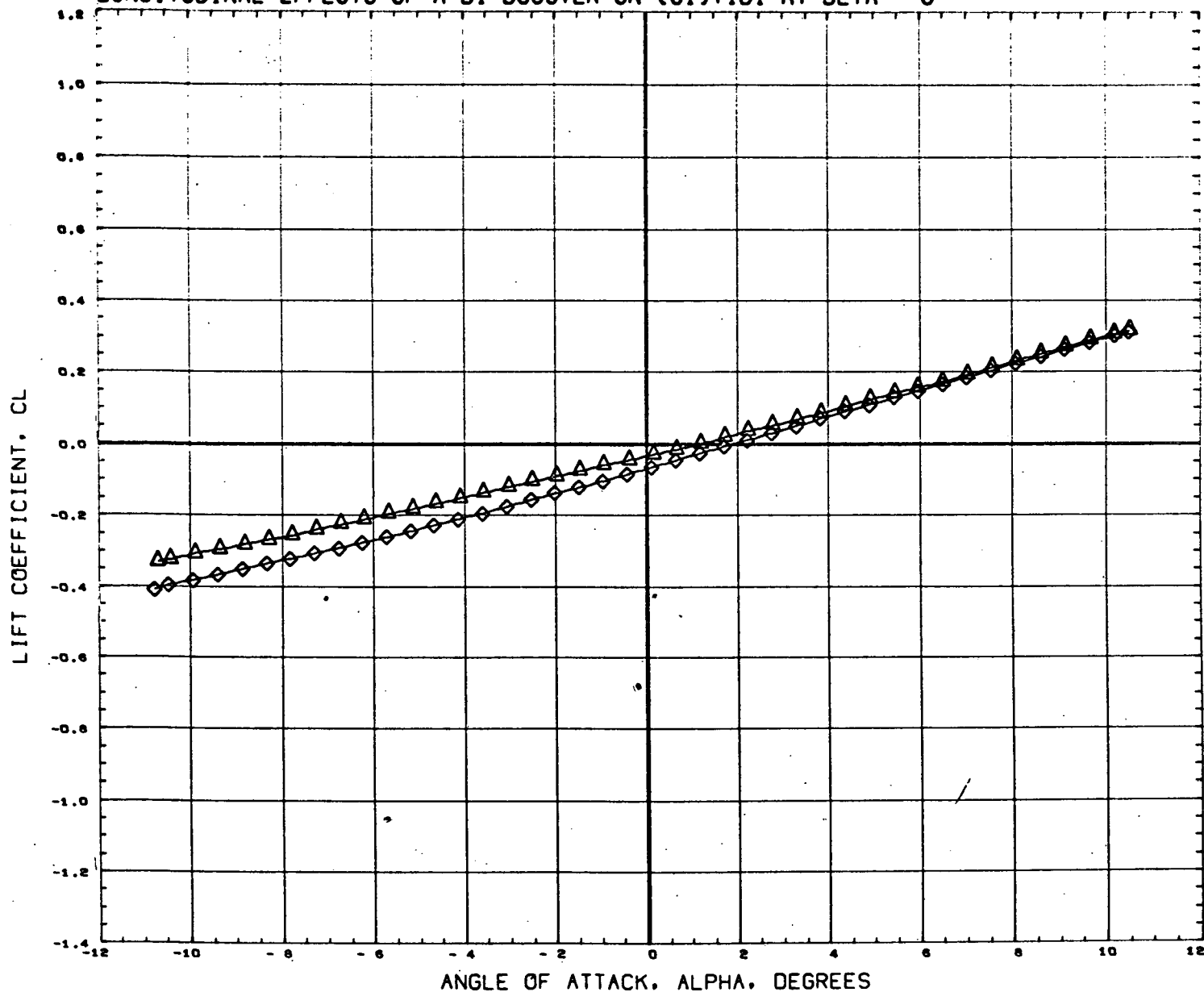


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7403)	MDAC S-222 COMPOSITE (T-C6) (01) T1B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7407)	MDAC S-222 COMPOSITE (T-C6) (01) T1B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7408)	MDAC S-222 COMPOSITE (T-C6) (01) T1 (B1L)B1R	6.000	0.000	0.000	0.000	BREF	662.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 67

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 6



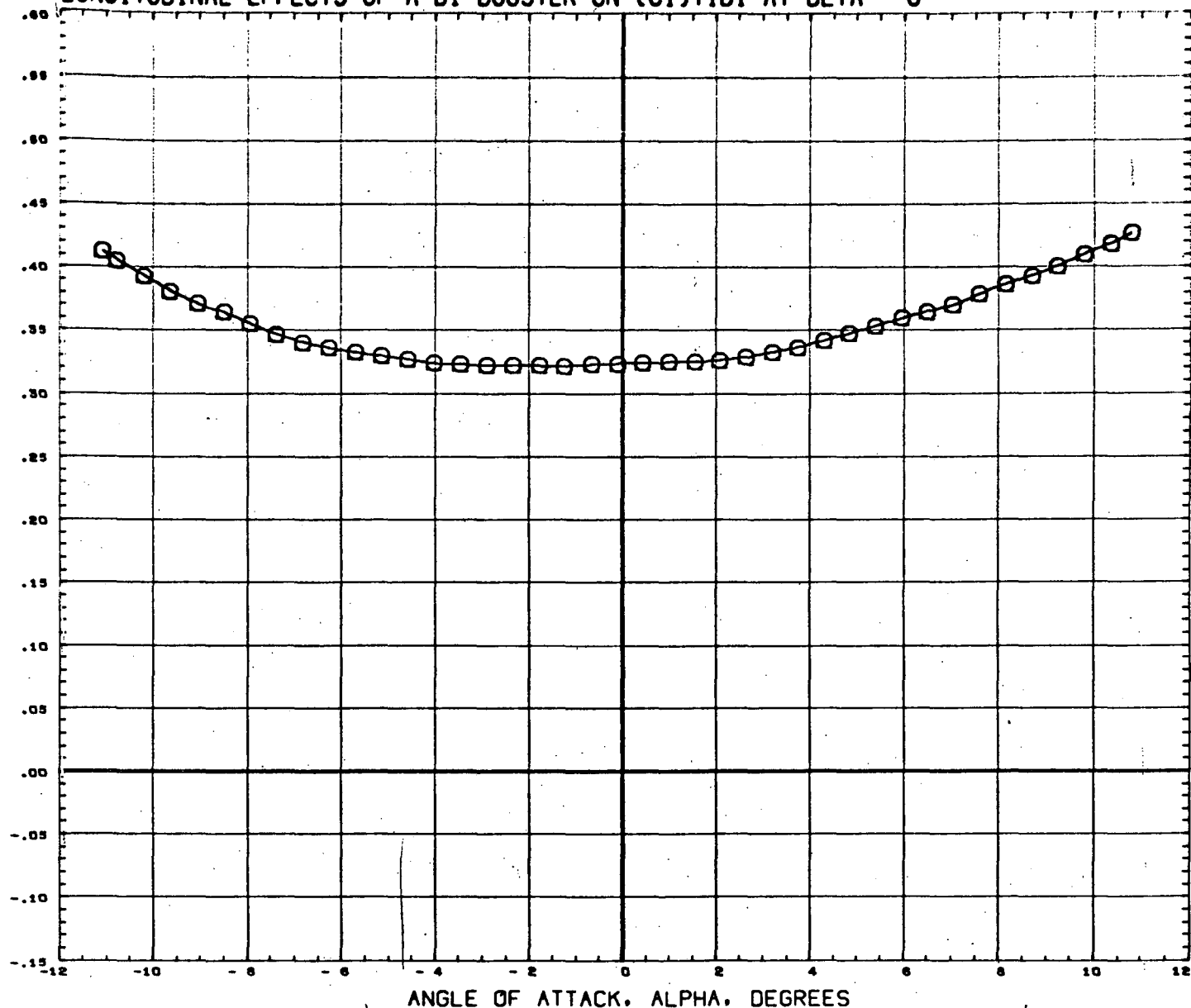
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	ATLON	RUDDER	REFERENCE INFORMATION	
(CD7403)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7407)	MDAC S-222 COMPOSITE (T-C6) (01)T1B1 (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7408)	MDAC S-222 COMPOSITE (T-C6) (01)T1 (B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 68

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 6

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7403) ○ MDAC S-222 COMPOSITE (T-CG) (01)T1B1  
 (CD7407) △ DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7408) ◇ DATA NOT AVAILABLE FOR ALL CONDITIONS

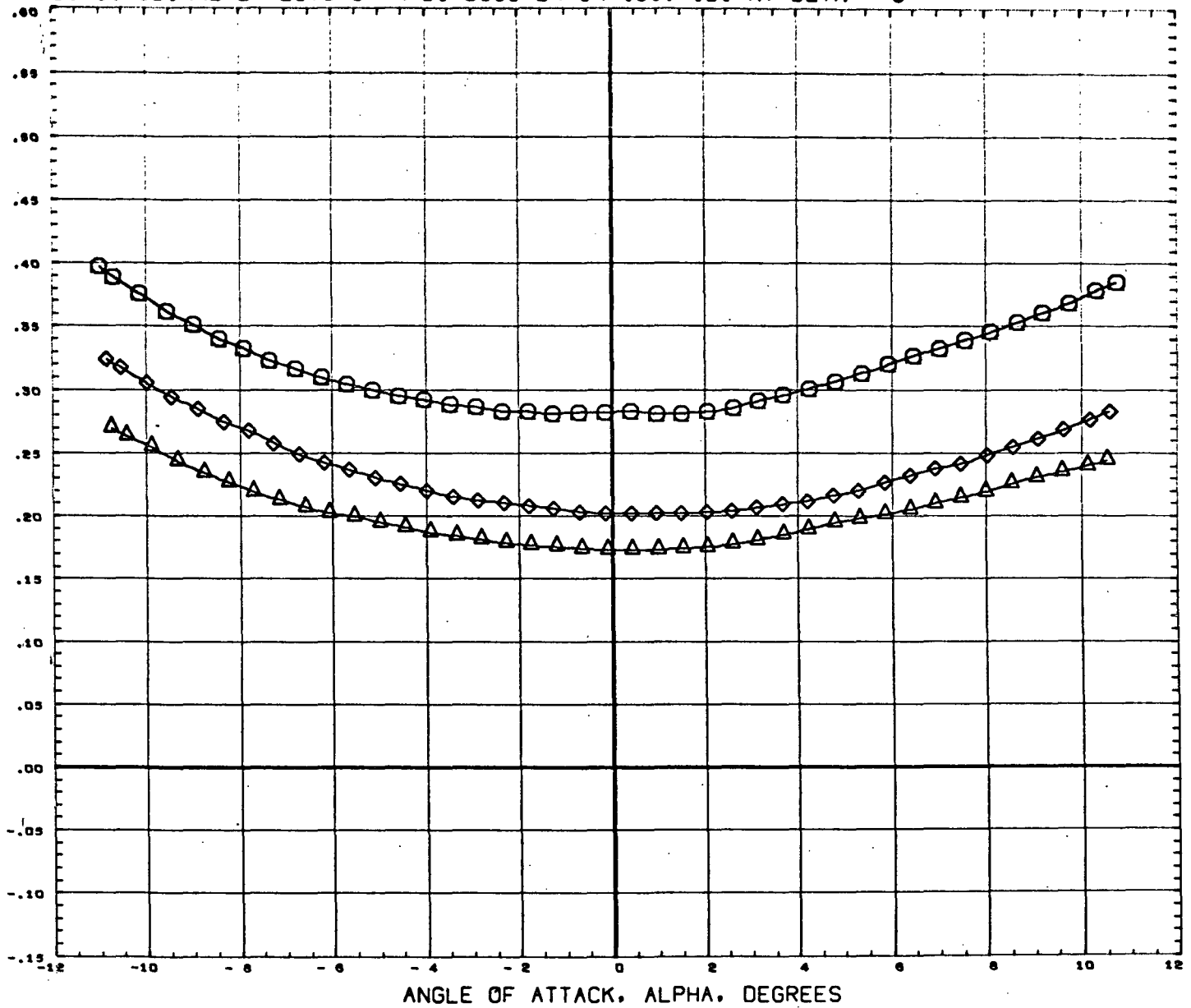
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
6.000	0.000	0.000	0.000	BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 69

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 6

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7403)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7407)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7408)	MDAC S-222 COMPOSITE (T-CG) (01)T1 (B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

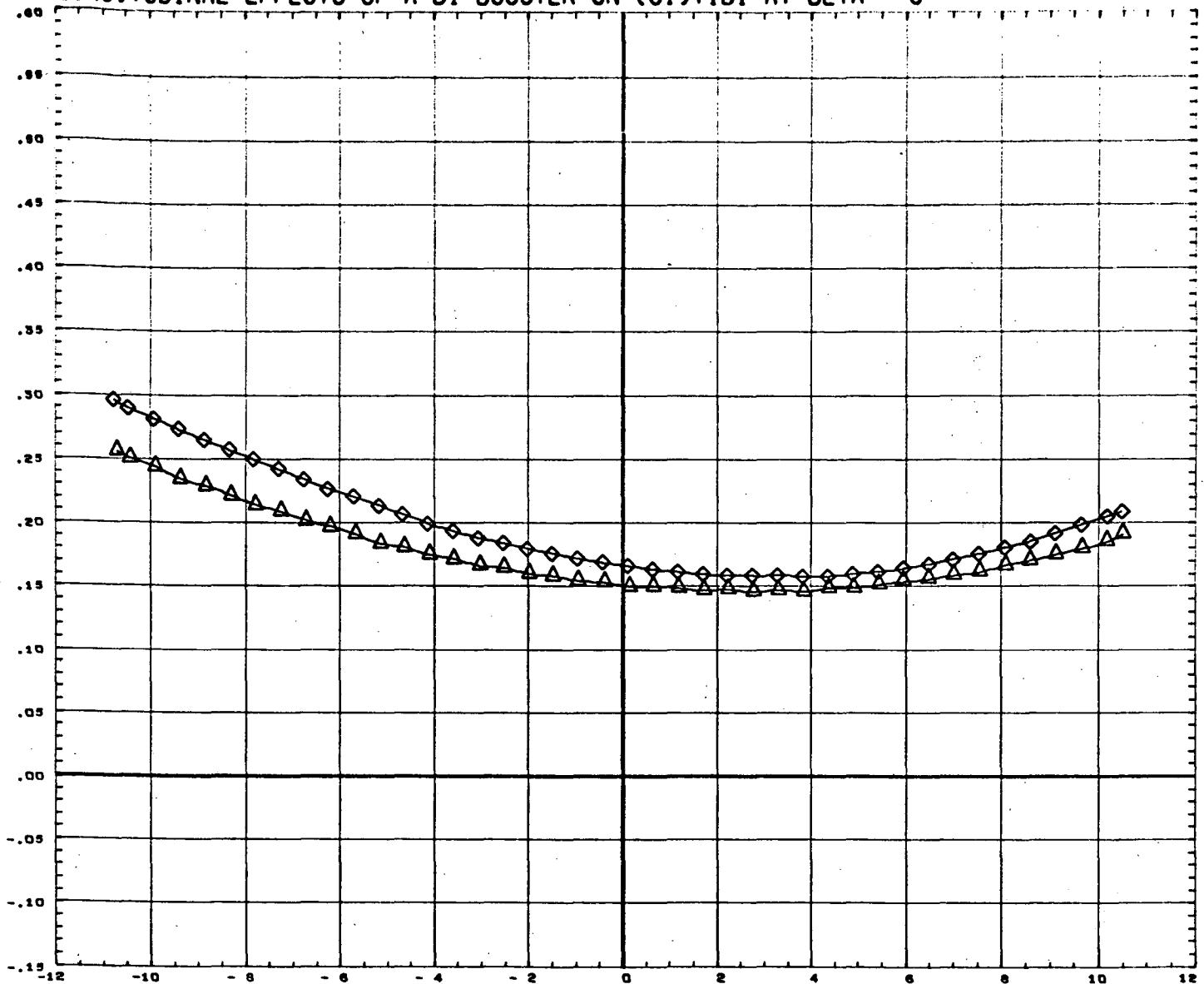
MACH 2.20

PAGE 70



# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 6

FOREBODY DRAG COEFFICIENT, COF.



ANGLE OF ATTACK, ALPHA, DEGREES

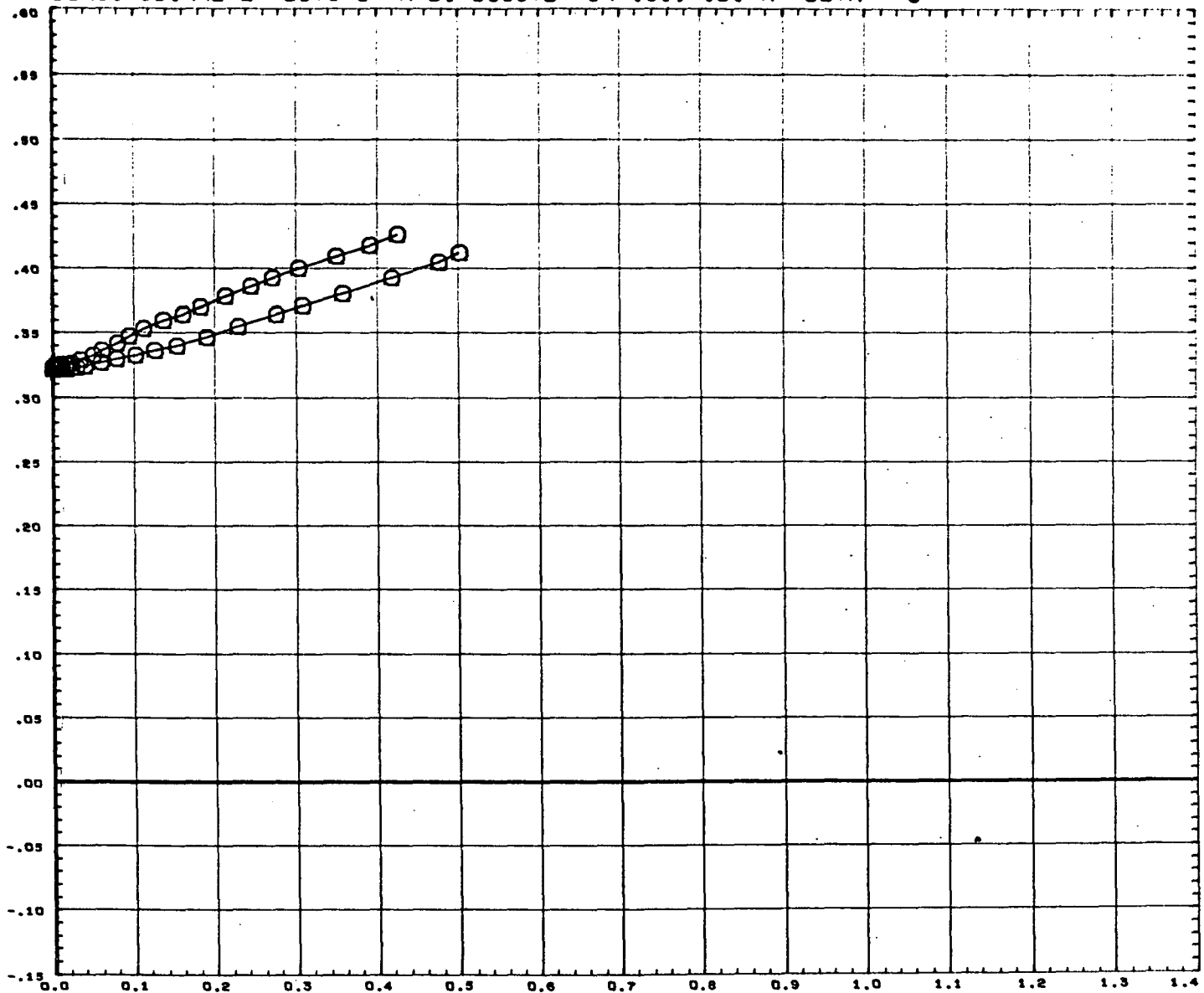
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7403)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7407)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7408)	MDAC S-222 COMPOSITE (T-CG) (01)T1 (B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 71

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 6

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQ

DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7403)    ○    MDAC S-222 COMPOSITE (T-CG) (01)T1B1  
 (CD7407)    △    DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7408)    ◇    DATA NOT AVAILABLE FOR ALL CONDITIONS

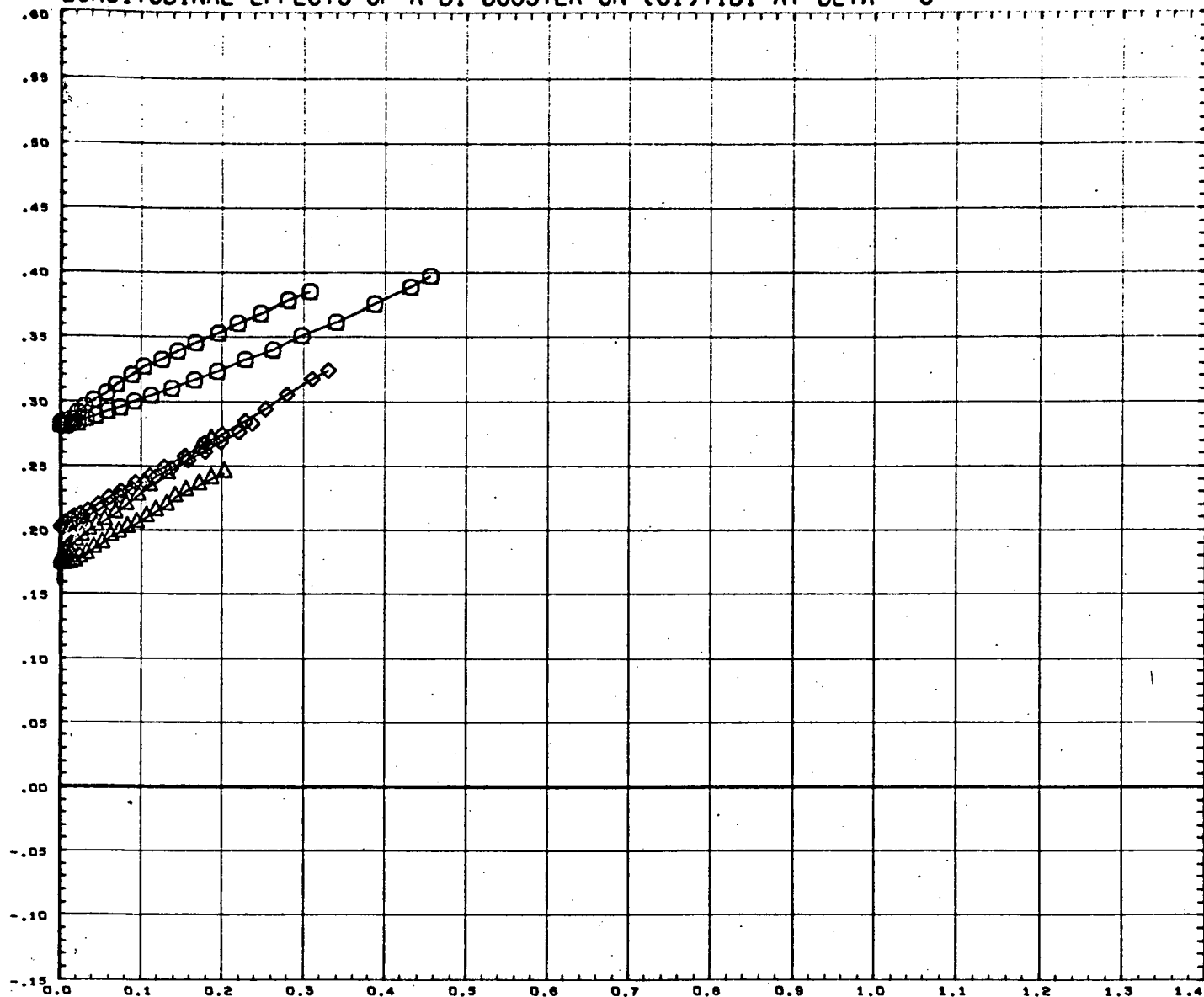
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
6.000	0.000	0.000	0.000	BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 72

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 6

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQR

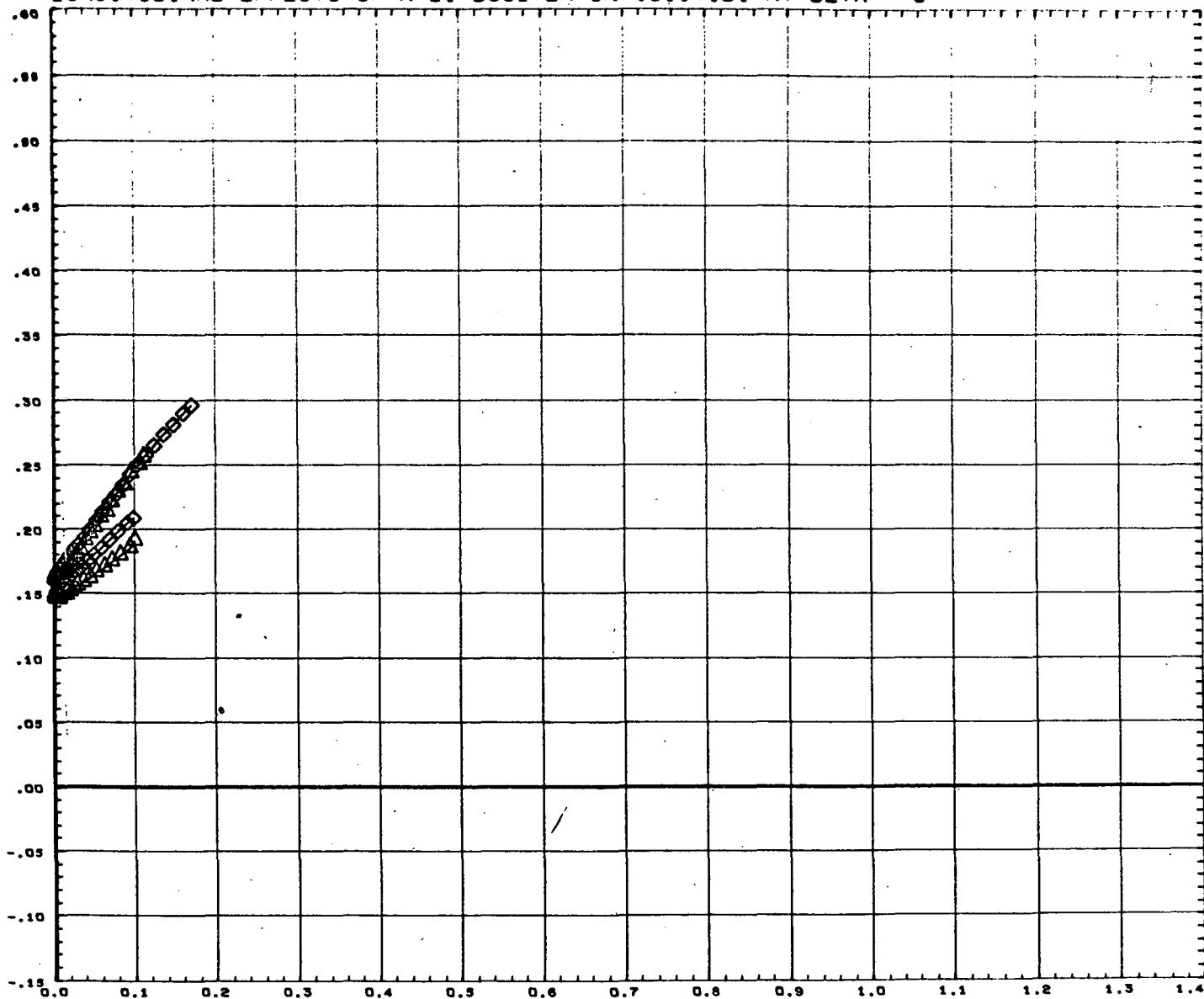
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7403)	MDAC S-222 COMPOSITE (T-C6) (01)T1B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7407)	MDAC S-222 COMPOSITE (T-C6) (01)T1B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7408)	MDAC S-222 COMPOSITE (T-C6) (01)T1 (B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 73

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 6

FOREBODY DRAG COEFFICIENT, CDF



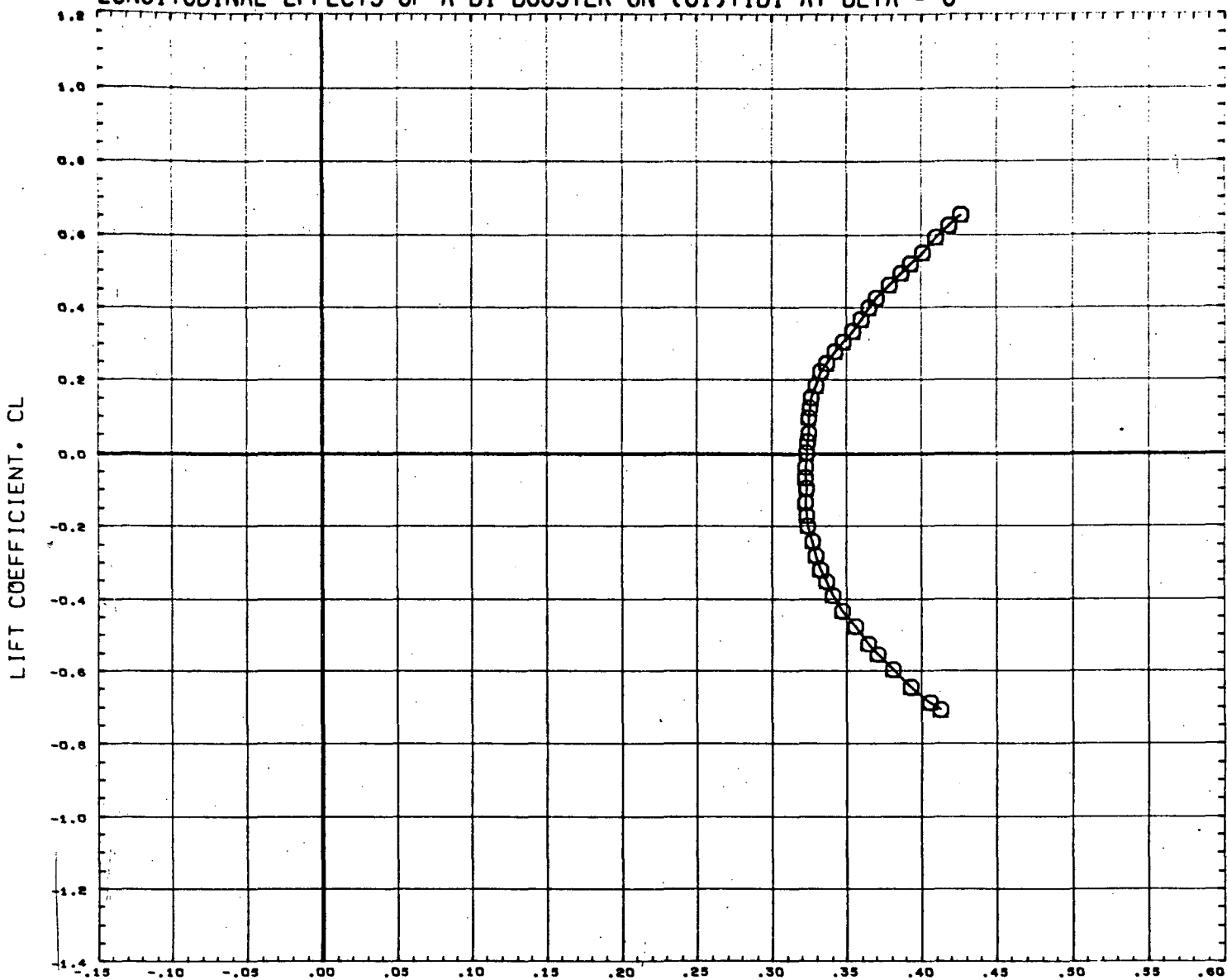
LIFT COEFFICIENT SQUARED, CLSQ

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7403)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7407)	MDAC S-222 COMPOSITE(T-CG) (01)T1B1L(B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7408)	MDAC S-222 COMPOSITE(T-CG) (01)T1(B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 74

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 6



FOREBODY DRAG COEFFICIENT, CDF

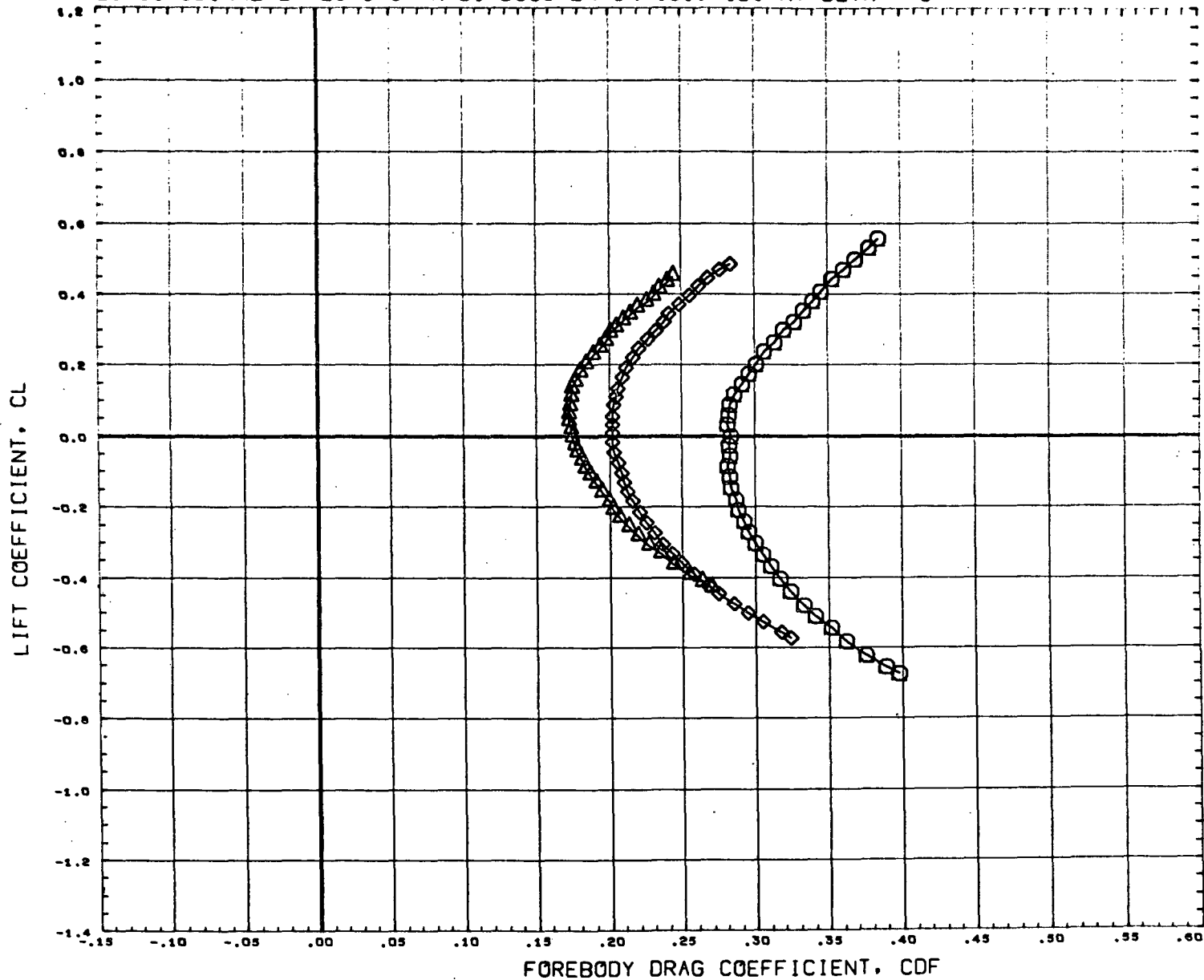
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7403) ○ MDAC S-222 COMPOSITE (T-CG) (01)T1B1  
 (CD7407) △ DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7408) ◇ DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
6.000	0.000	0.000	0.000	BREF	862.0004 IN.
				XMRP	597.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 75

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 6

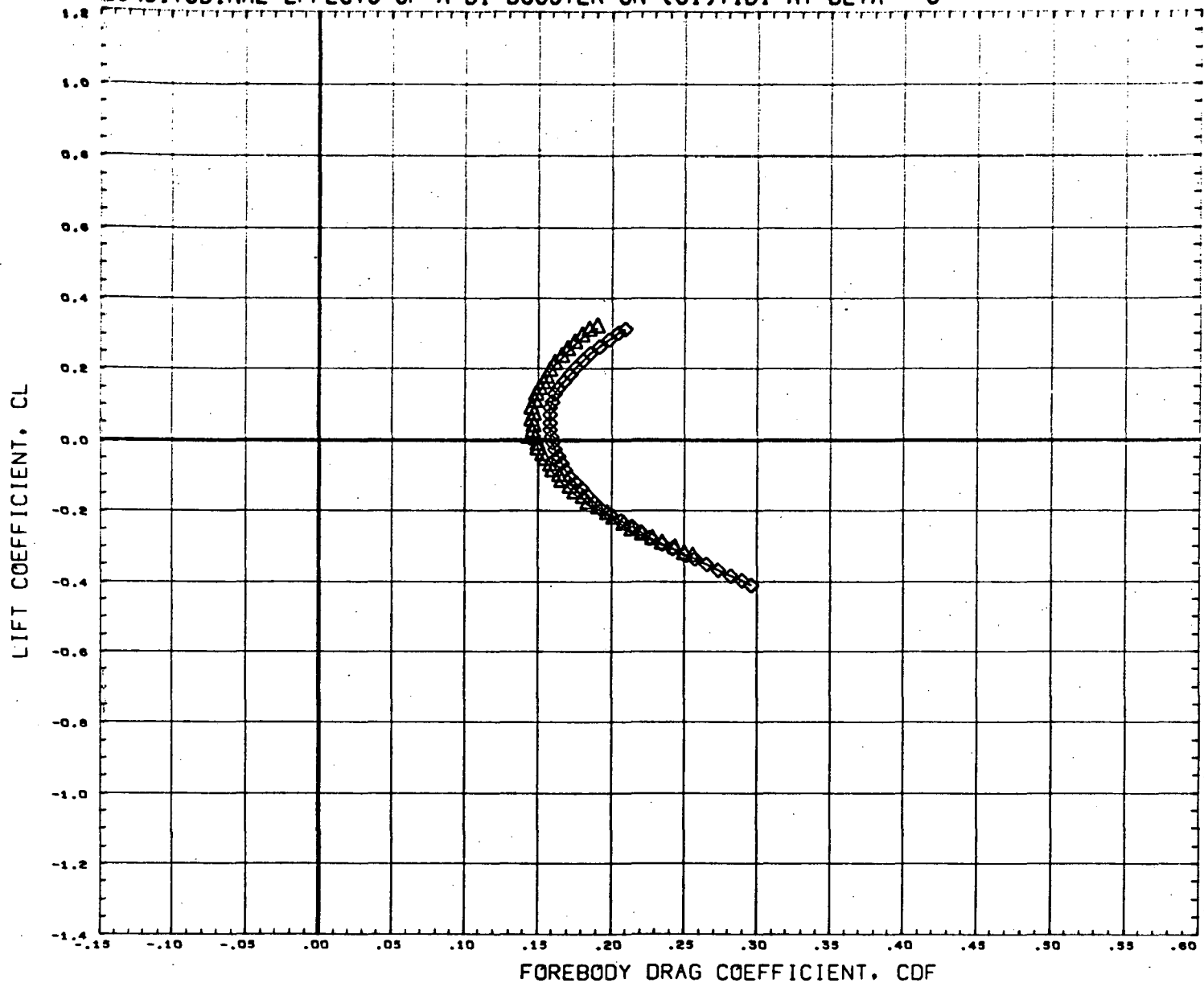


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7403)	MDAC S-222 COMPOSITE (T-CG) (01) T1B1	6.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD7407)	MDAC S-222 COMPOSITE (T-CG) (01) T1B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004	IN.
(CD7408)	MDAC S-222 COMPOSITE (T-CG) (01) T1 (B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004	IN.
						XMRP	957.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH 2.20

PAGE 76

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T1B1 AT BETA = 6

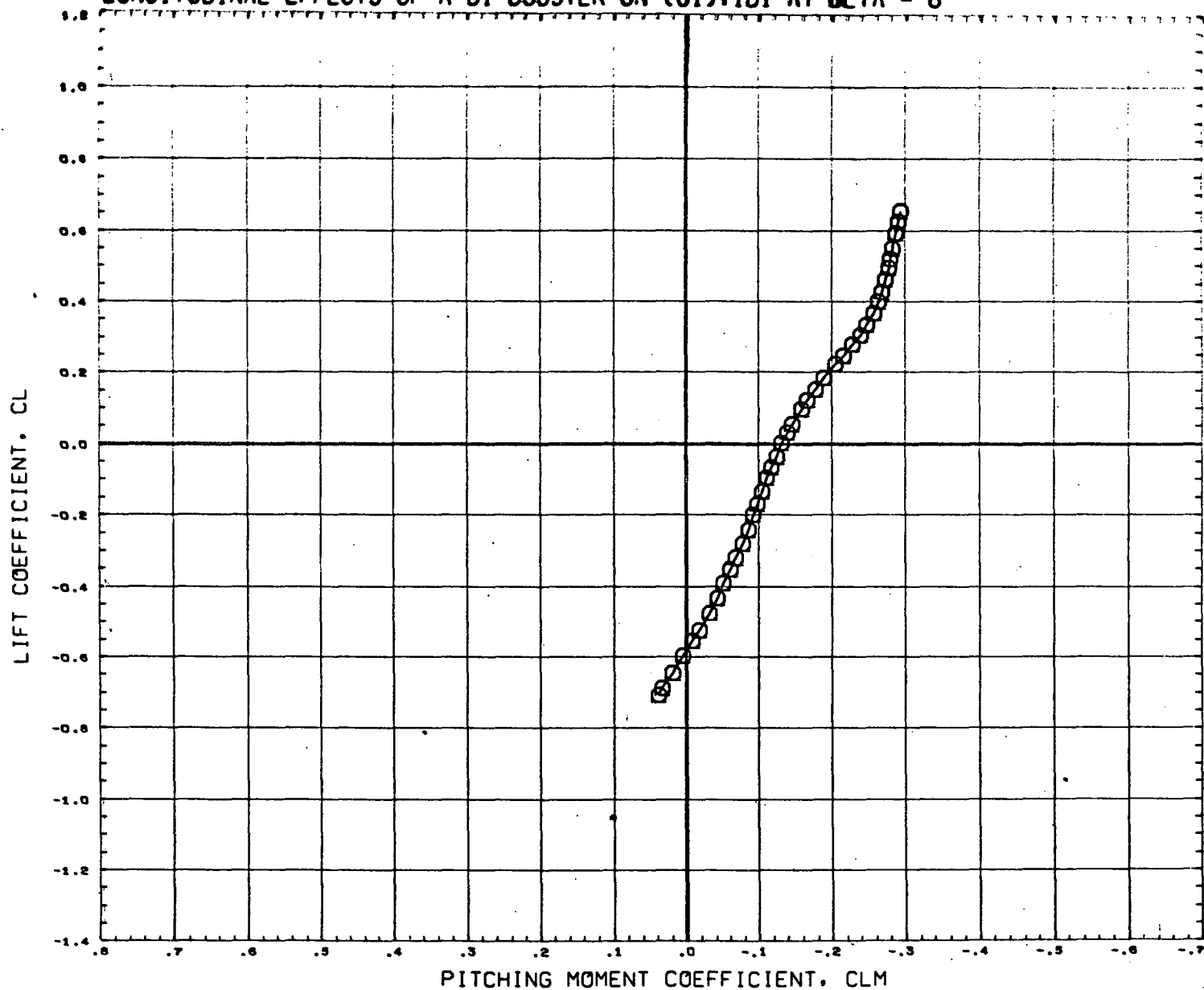


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7403)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7407)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.3004 IN.
(CD7408)	MDAC S-222 COMPOSITE (T-CG) (O1)T1 (B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 77

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 6



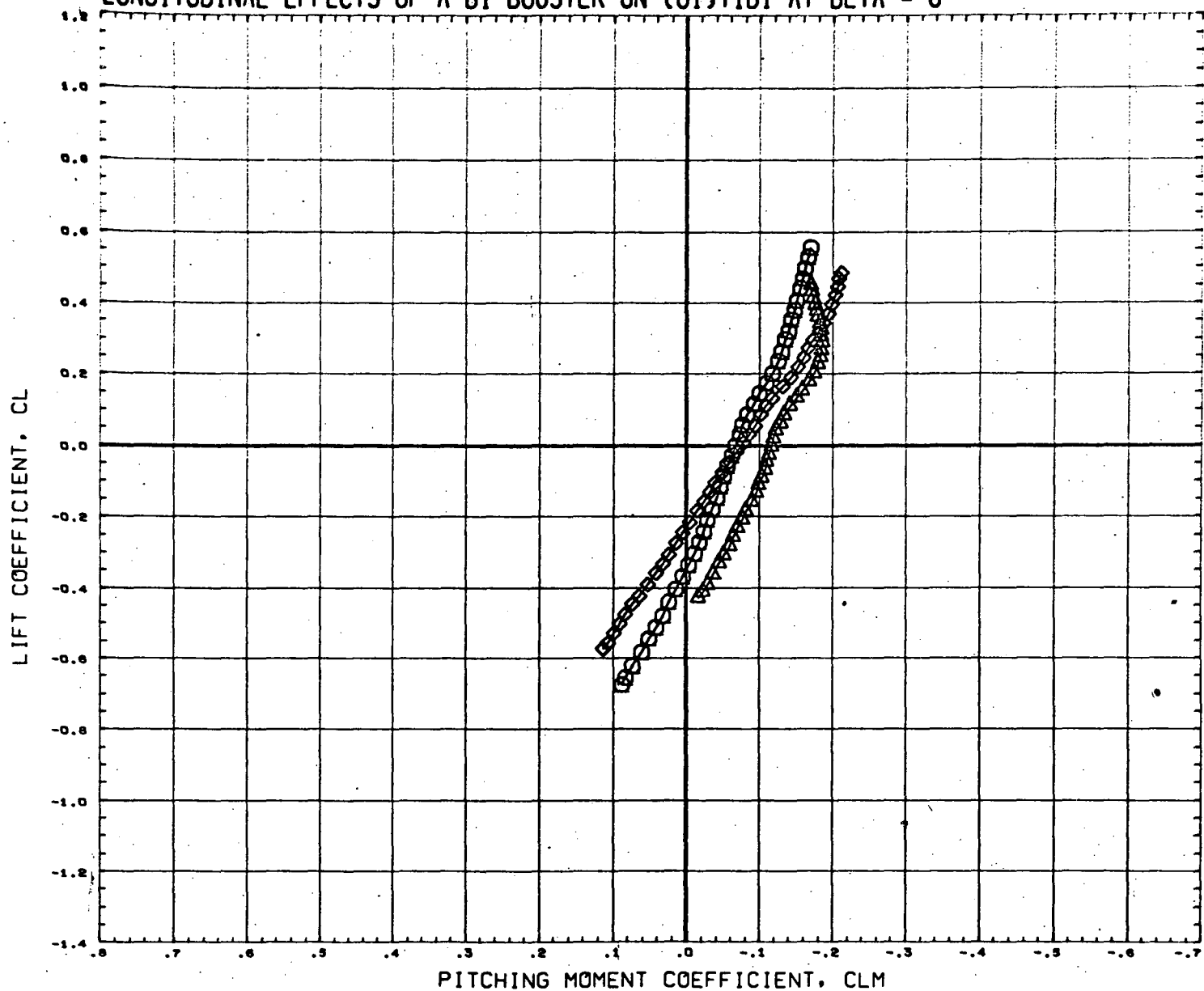
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7403)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7407)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7408)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

PAGE 78



# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 6

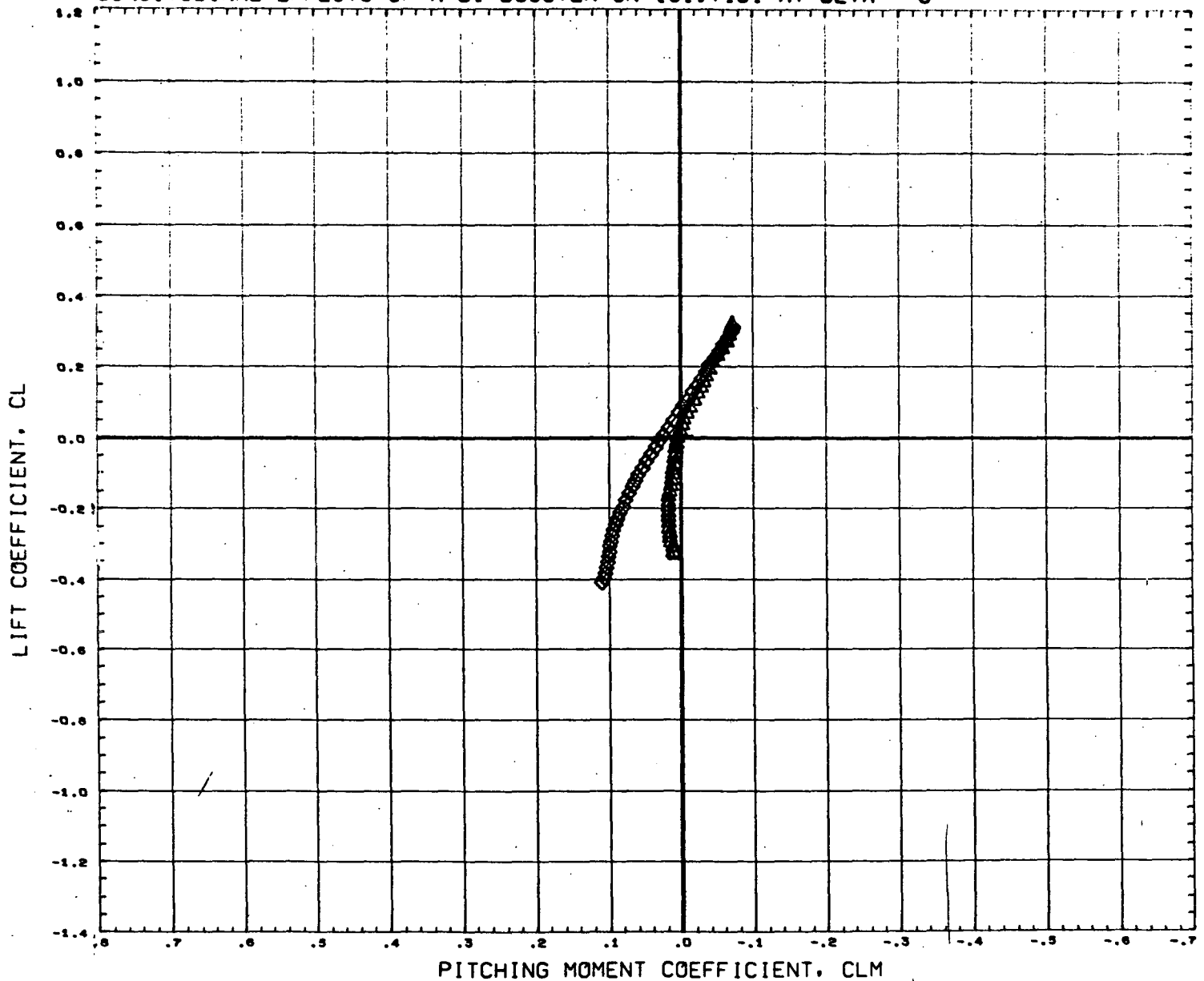


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7403)	MDAC S-222 COMPOSITE (T-CG) (01) T1B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7407)	MDAC S-222 COMPOSITE (T-CG) (01) T1B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7408)	MDAC S-222 COMPOSITE (T-CG) (01) T1 (B1L)B1R	6.000	0.000	0.000	0.000	BREF	682.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0080

MACH 2.20

PAGE 79

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T1B1 AT BETA = 6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7403)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7407)	MDAC S-222 COMPOSITE(T-CG) (O1)T1B1L(B1R)	6.000	0.000	0.000	0.000	LREF	609.3004 IN.
(CD7408)	MDAC S-222 COMPOSITE(T-CG) (O1)T1(B1L)B1R	6.000	0.000	0.000	0.000	BREF	662.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

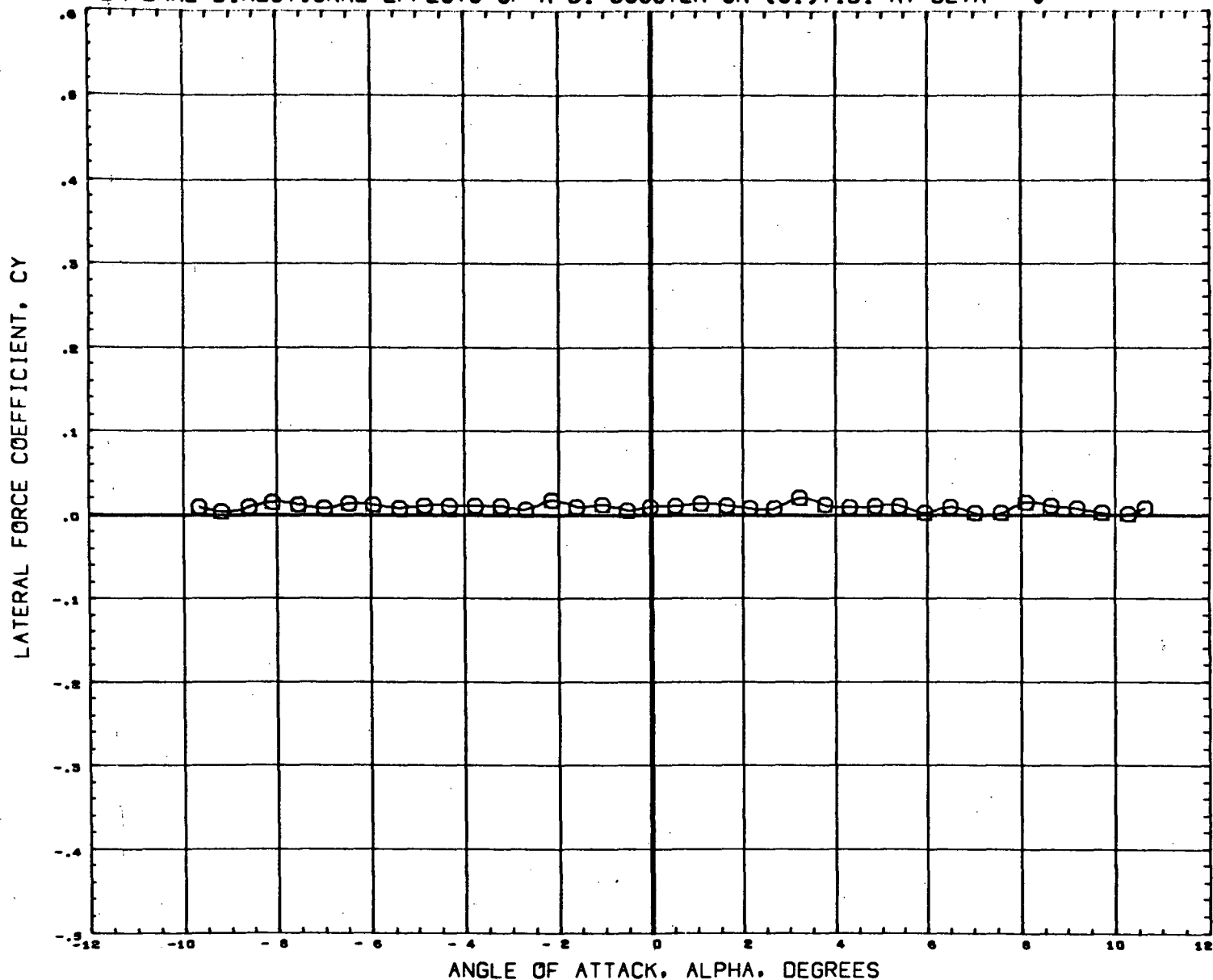
MACH

4.47

PAGE

80

# LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0



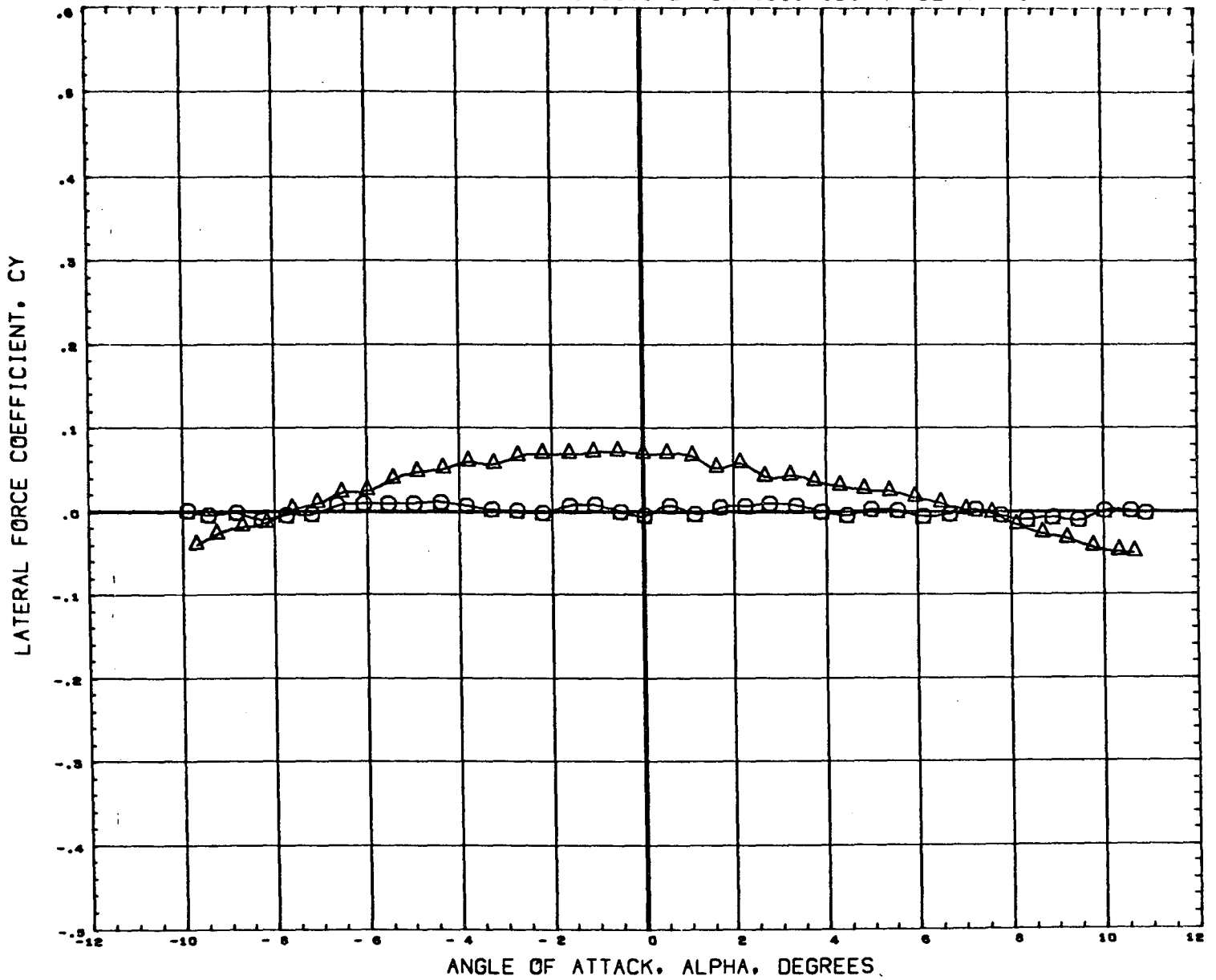
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RD7401) MDAC S-222 COMPOSITE(T-CG) (01)T1B1  
(RD7405) DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH: .59

PAGE 81

# LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (O1)T1B1 AT BETA = 0

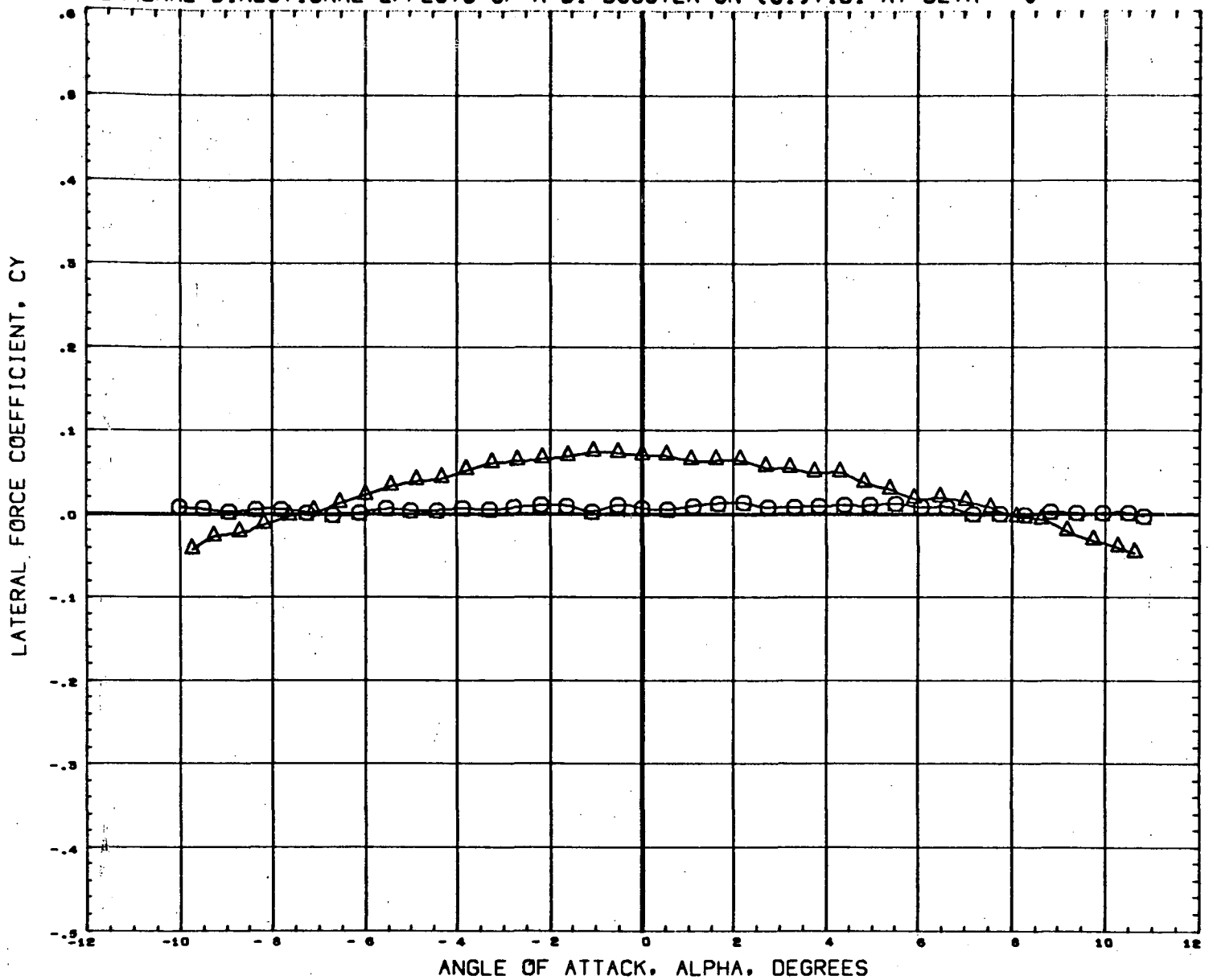


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7401)	MDAC S-222 COMPOSITE(T-CG) (O1)T1B1	0.000	0.000	0.000	0.000	SREF	3159.3040 SQ.FT.
(RD7405)	MDAC S-222 COMPOSITE(T-CG) (O1)T1B1L(B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 82

# LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (O1)T1B1 AT BETA = 0

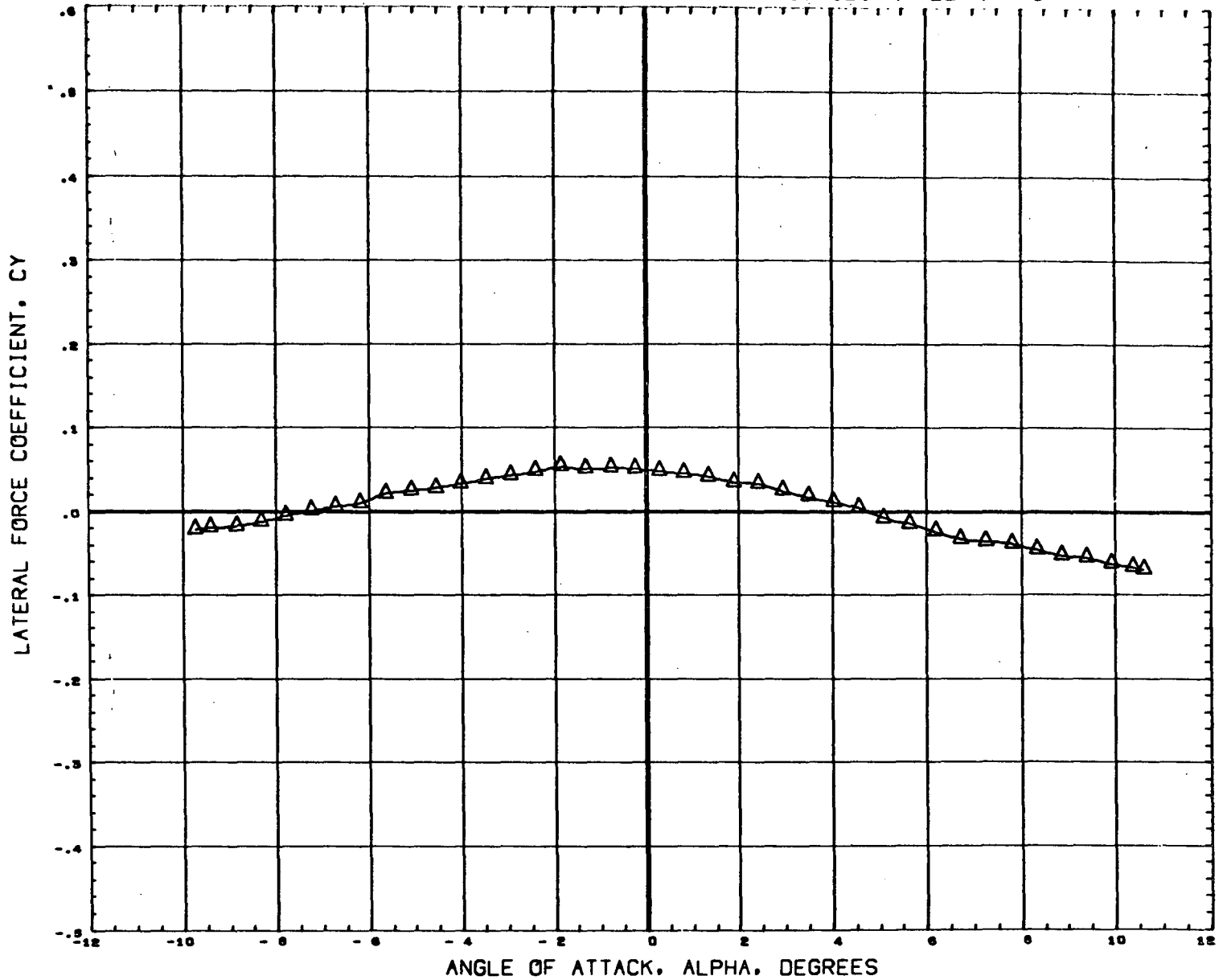


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7401)	MDAC S-222 COMPOSITE(T-CG) (O1)T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7405)	MDAC S-222 COMPOSITE(T-CG) (O1)T1B1L(B1R)	0.000	0.000	0.000	0.000	LREF	609.3004 IN.
						SREF	682.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

PAGE 83

# LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (O1)T1B1 AT BETA = 0

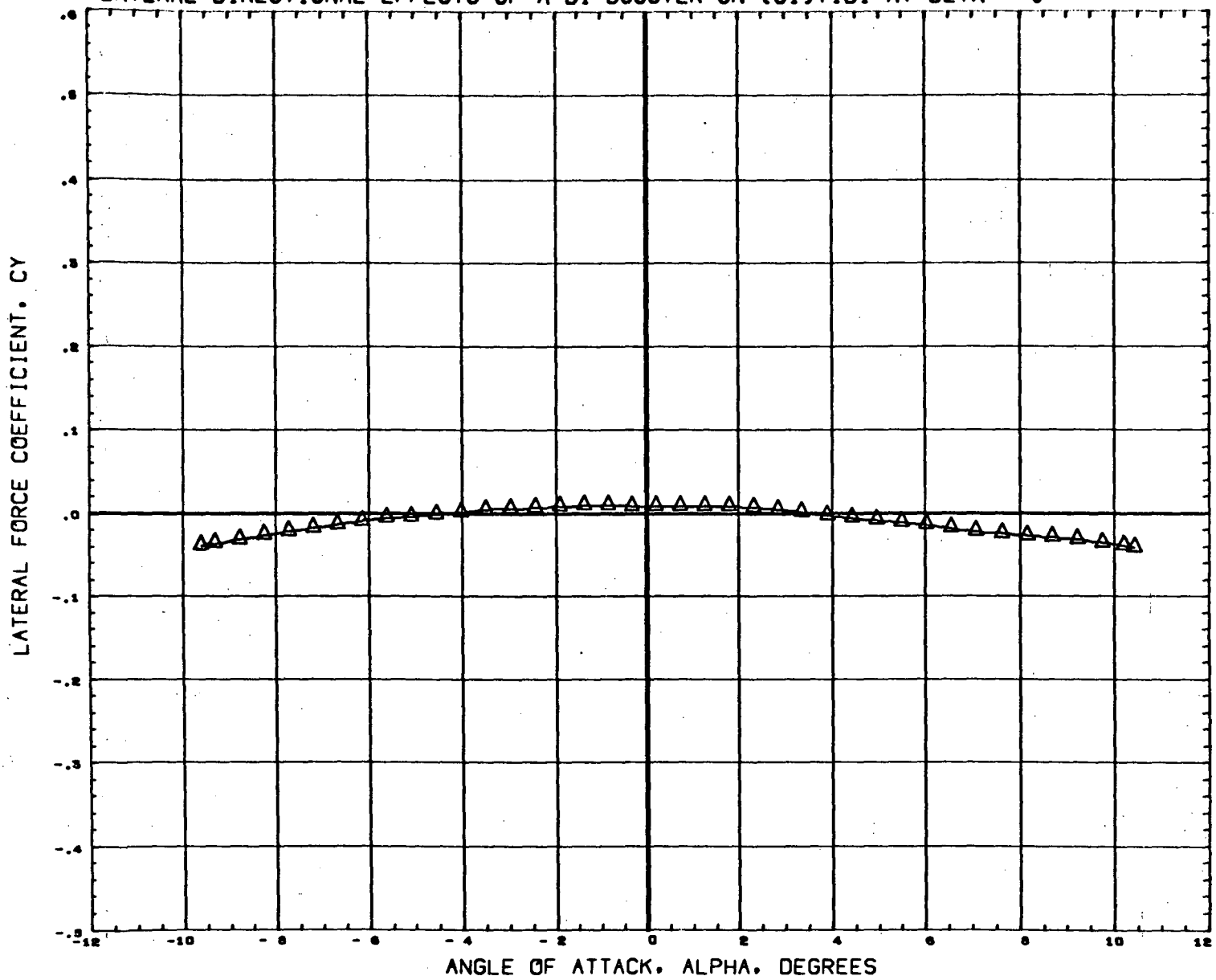


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(R07401)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(R07405)	MDAC S-222 COMPOSITE(T-CG) (O1)T1B1L(B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	682.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 84

# LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (O1)T1B1 AT BETA = 0

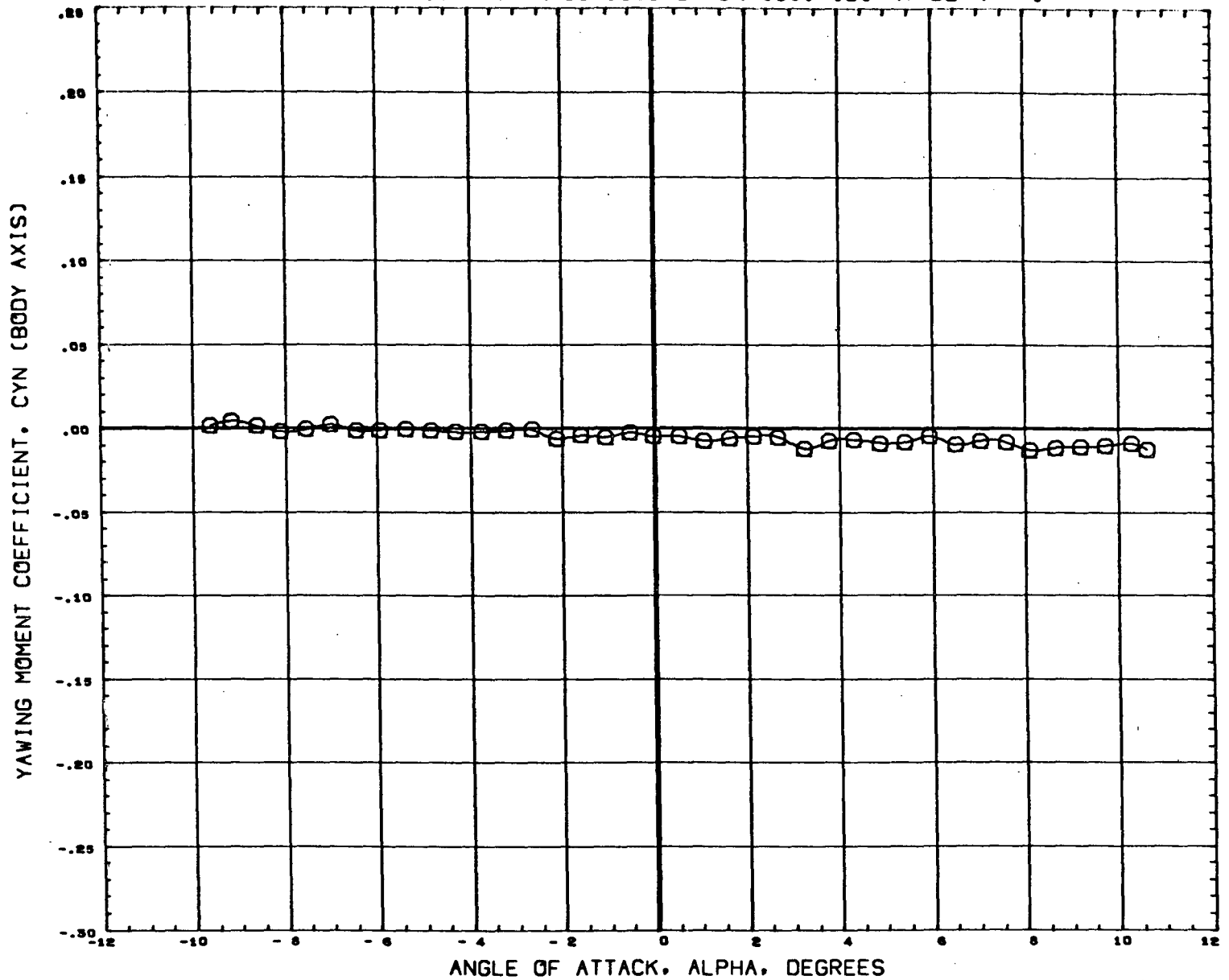


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7401)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7405)	NDAC S-222 COMPOSITE(T-C6) (O1)T1B1L(B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 85

# LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RD7401) MDAC S-222 COMPOSITE(T-CG) (01)T1B1  
 (RD7405) DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

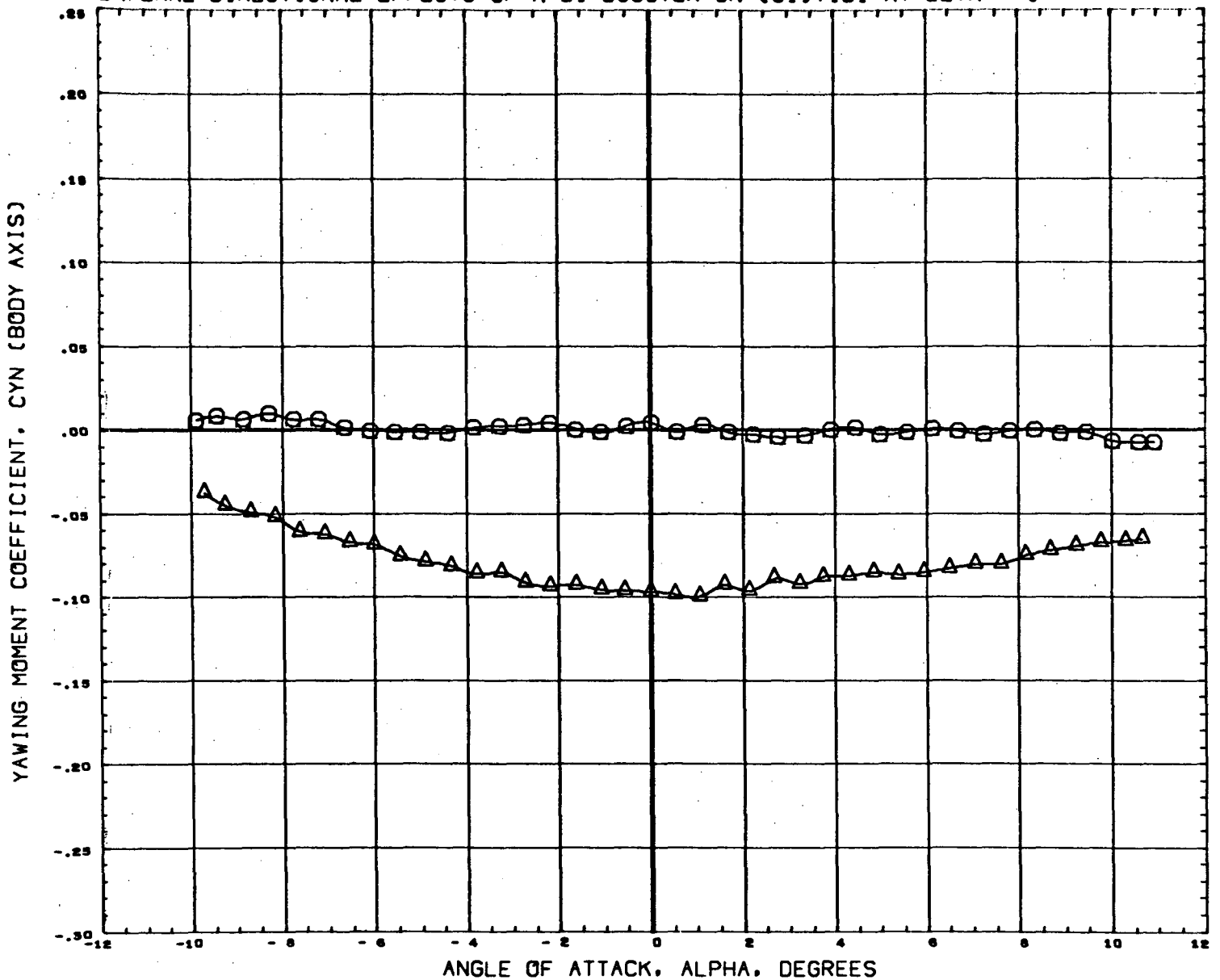
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRF	937.0004	IN.
YMRF	0.0000	IN.
ZMRF	200.0004	IN.
SCALE	0.0060	

MACH .59

PAGE 86



# LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (O1)T1B1 AT BETA = 0

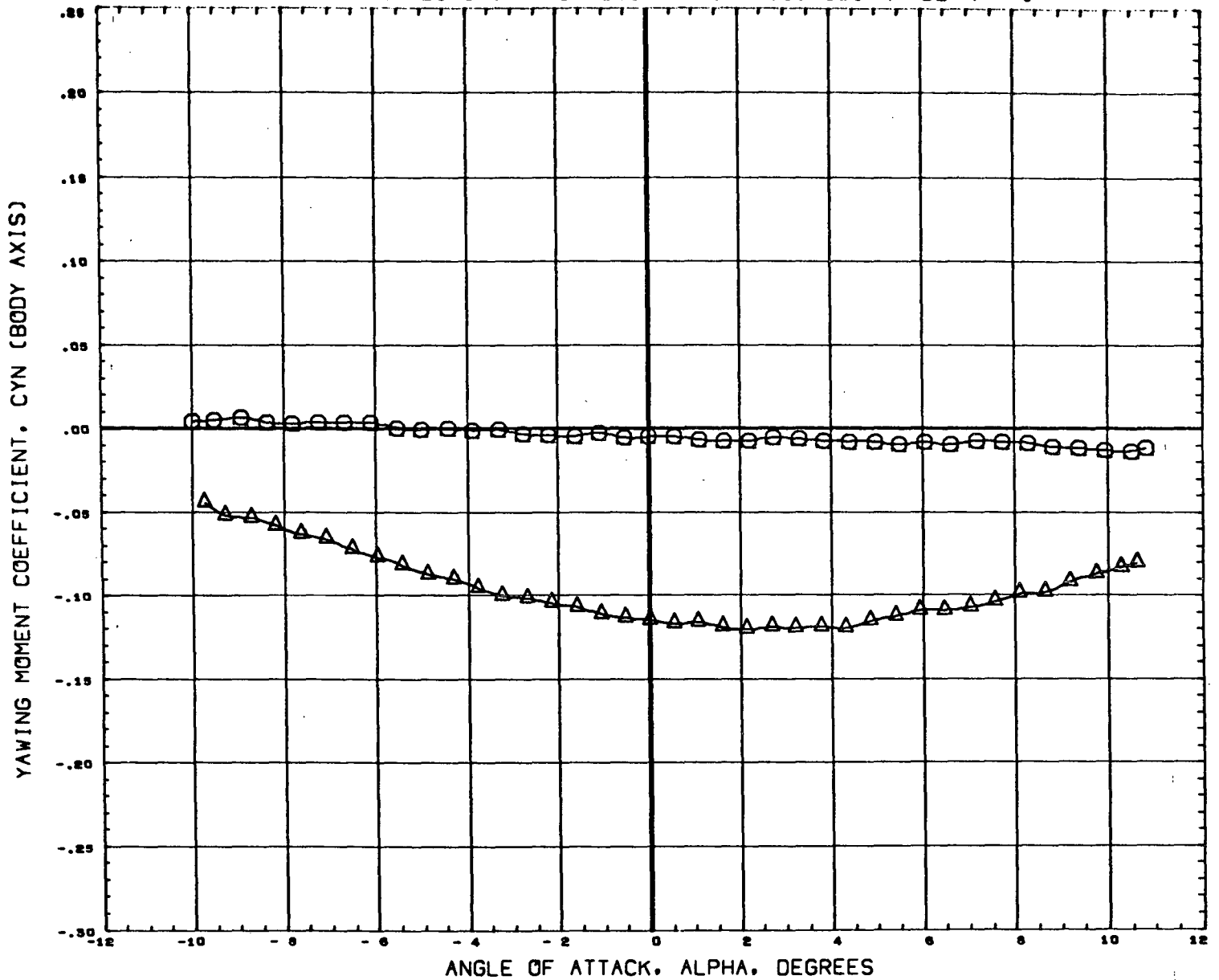


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7401)	MDAC S-222 COMPOSITE(T-CG) (O1)T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7405)	MDAC S-222 COMPOSITE(T-CG) (O1)T1B1L(B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 87

# LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (O1)T1B1 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7401)	MDAC S-222 COMPOSITE(T-CG) (O1)T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7405)	MDAC S-222 COMPOSITE(T-CG) (O1)T1B1L(B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

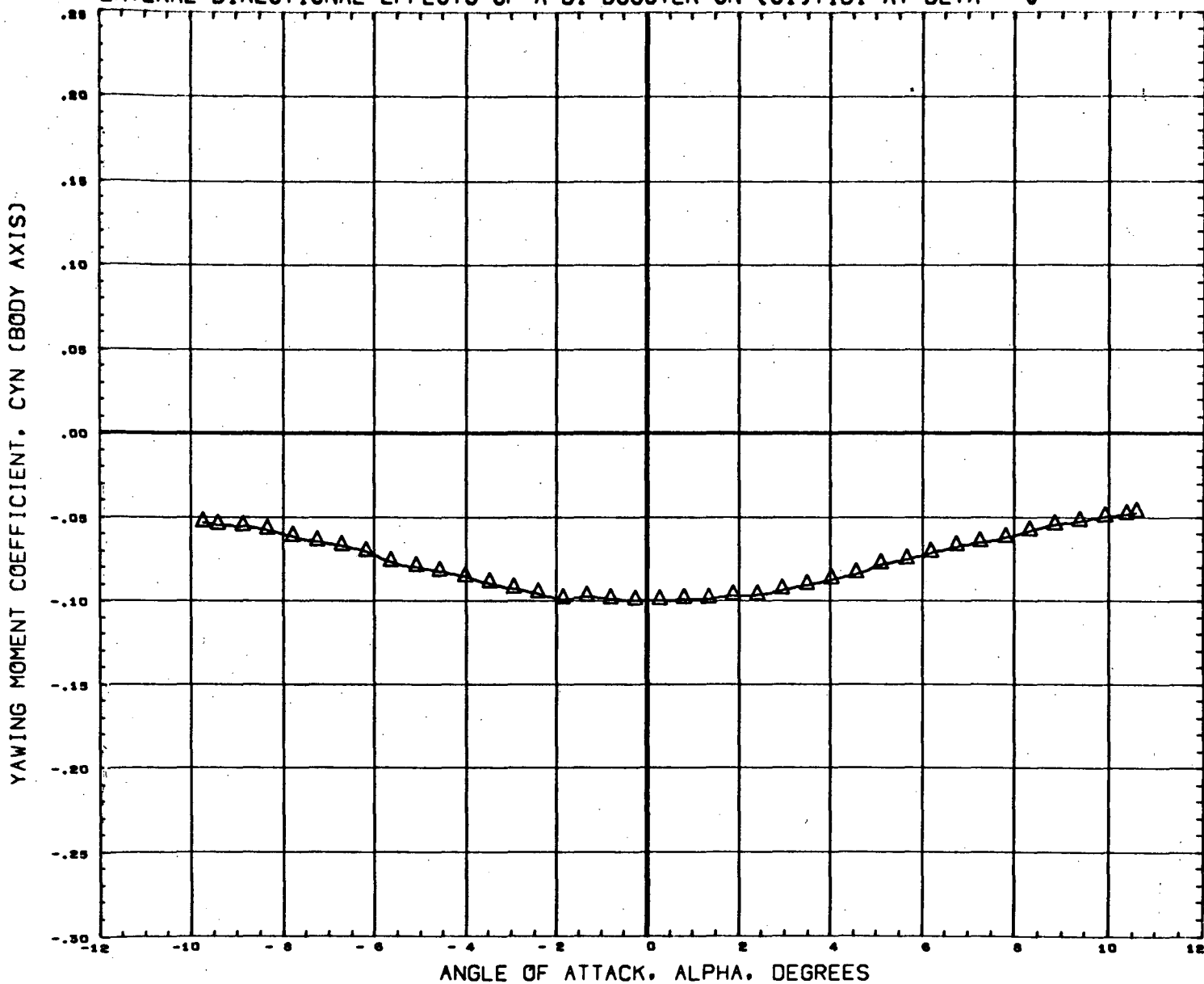
MACH

1.10

PAGE

88

# LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0



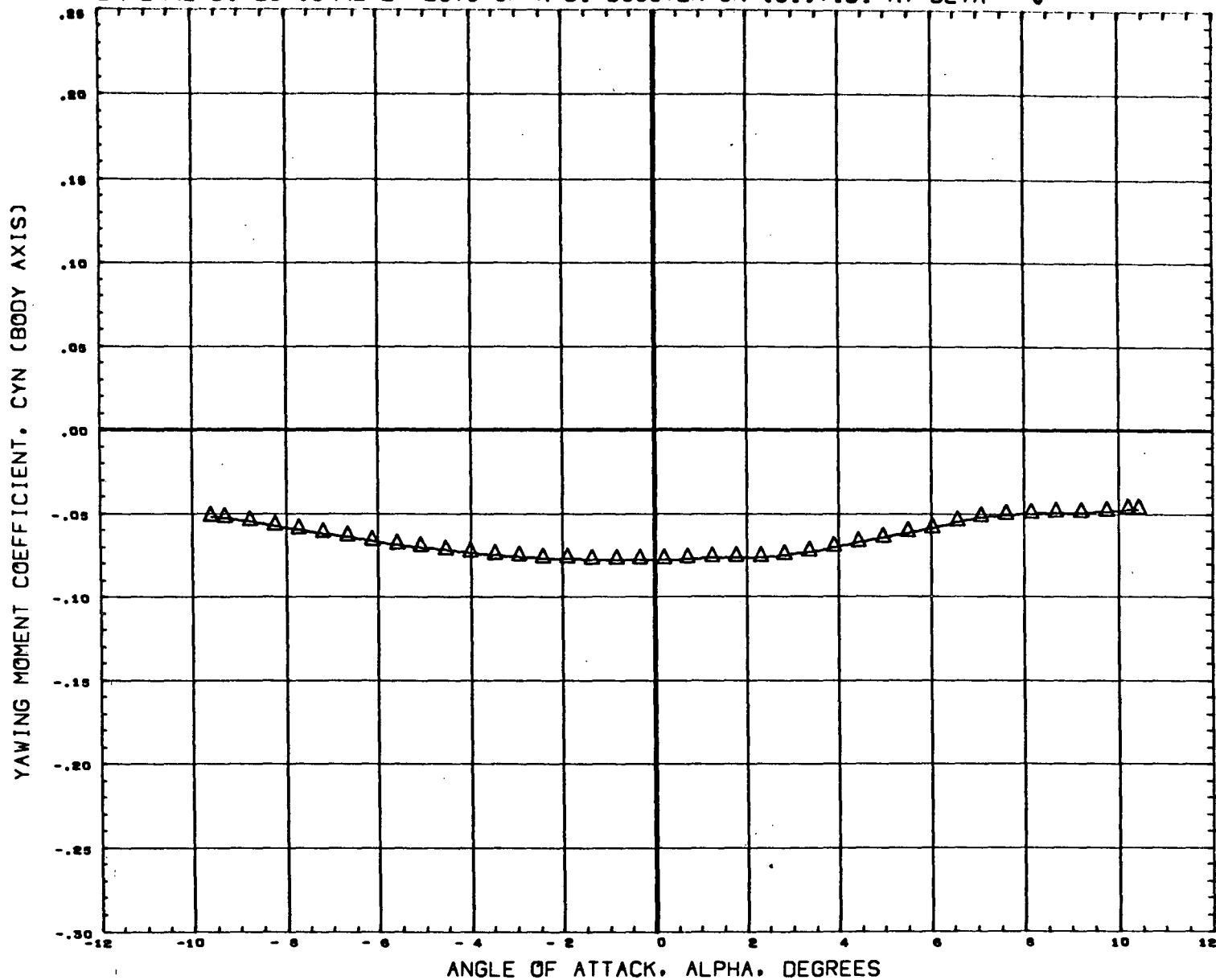
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RD7401) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (RD7405) MDAC S-222 COMPOSITE(T-CG) (01)T1B1L(B1R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	882.0004 IN.
				XMRF	557.0004 IN.
				YMRF	0.0000 IN.
				ZMRF	200.0004 IN.
				SCALE	0.0060

MACH 2.20

PAGE 89

# LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (R07401) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (R07405) MDAC S-222 COMPOSITE(T-C6) (01)T1B1L(B1R)

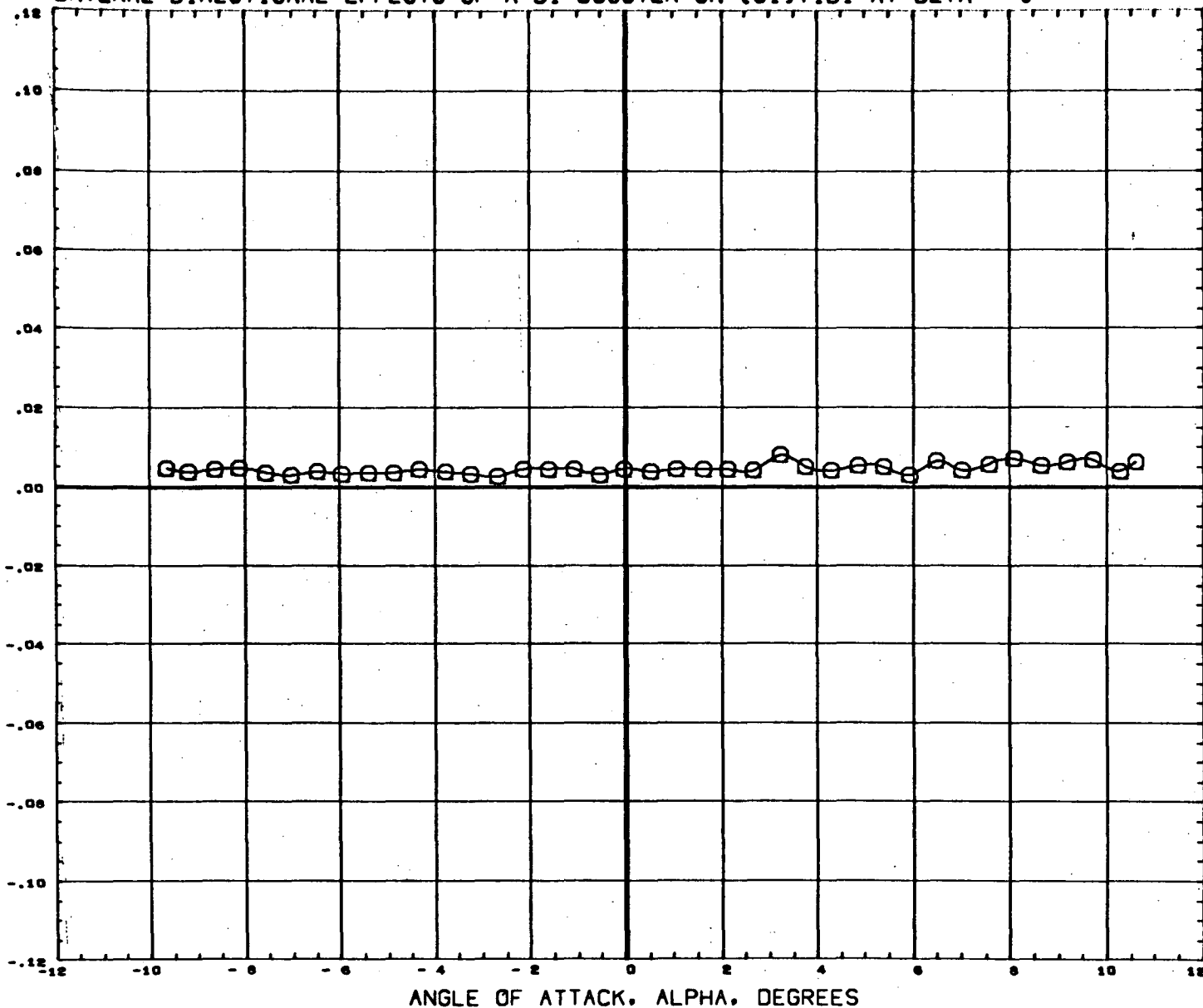
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.5040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	537.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

PAGE 90

# LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

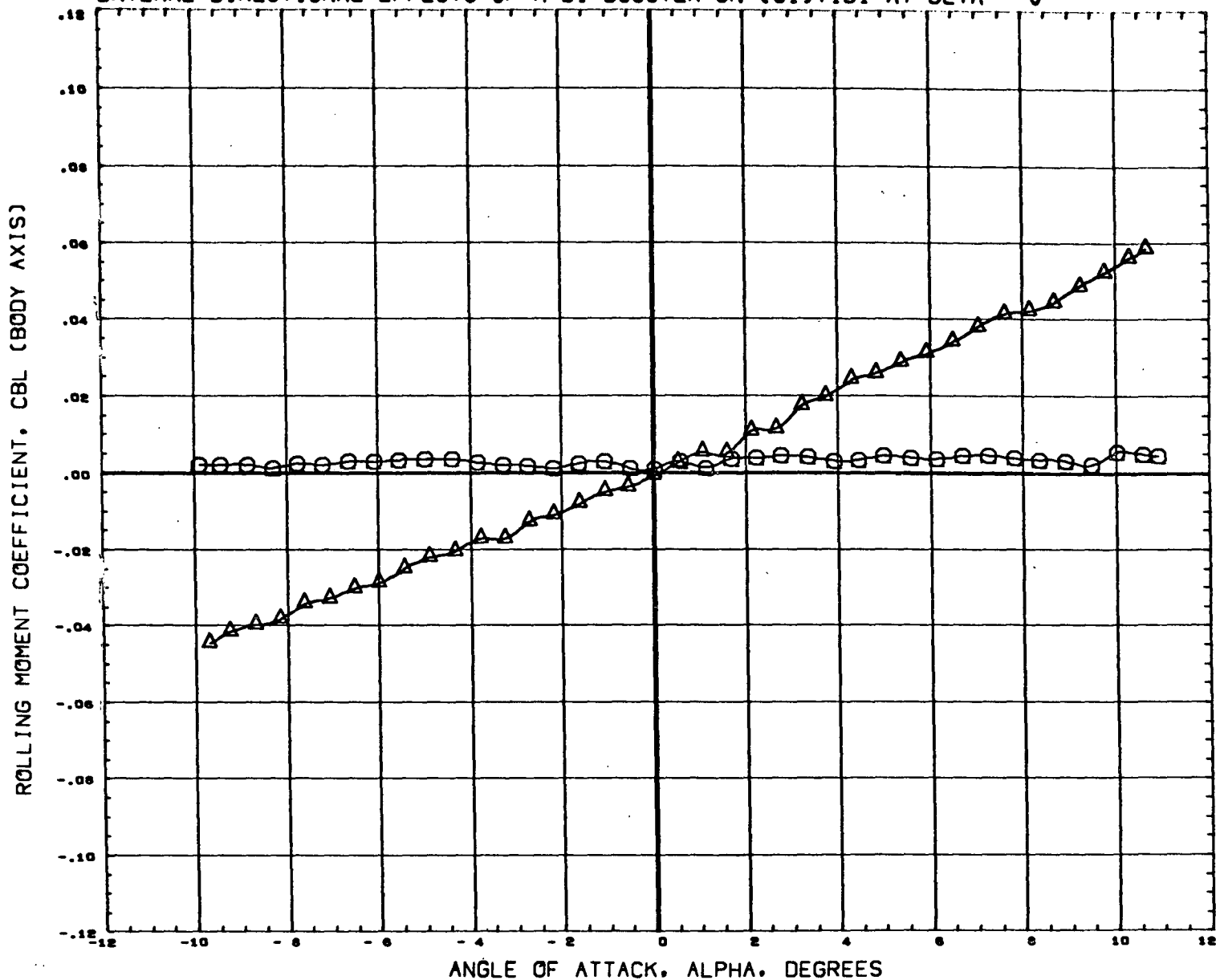


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7401)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7405)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	662.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .59

PAGE 91

# LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (O1)T1B1 AT BETA = 0



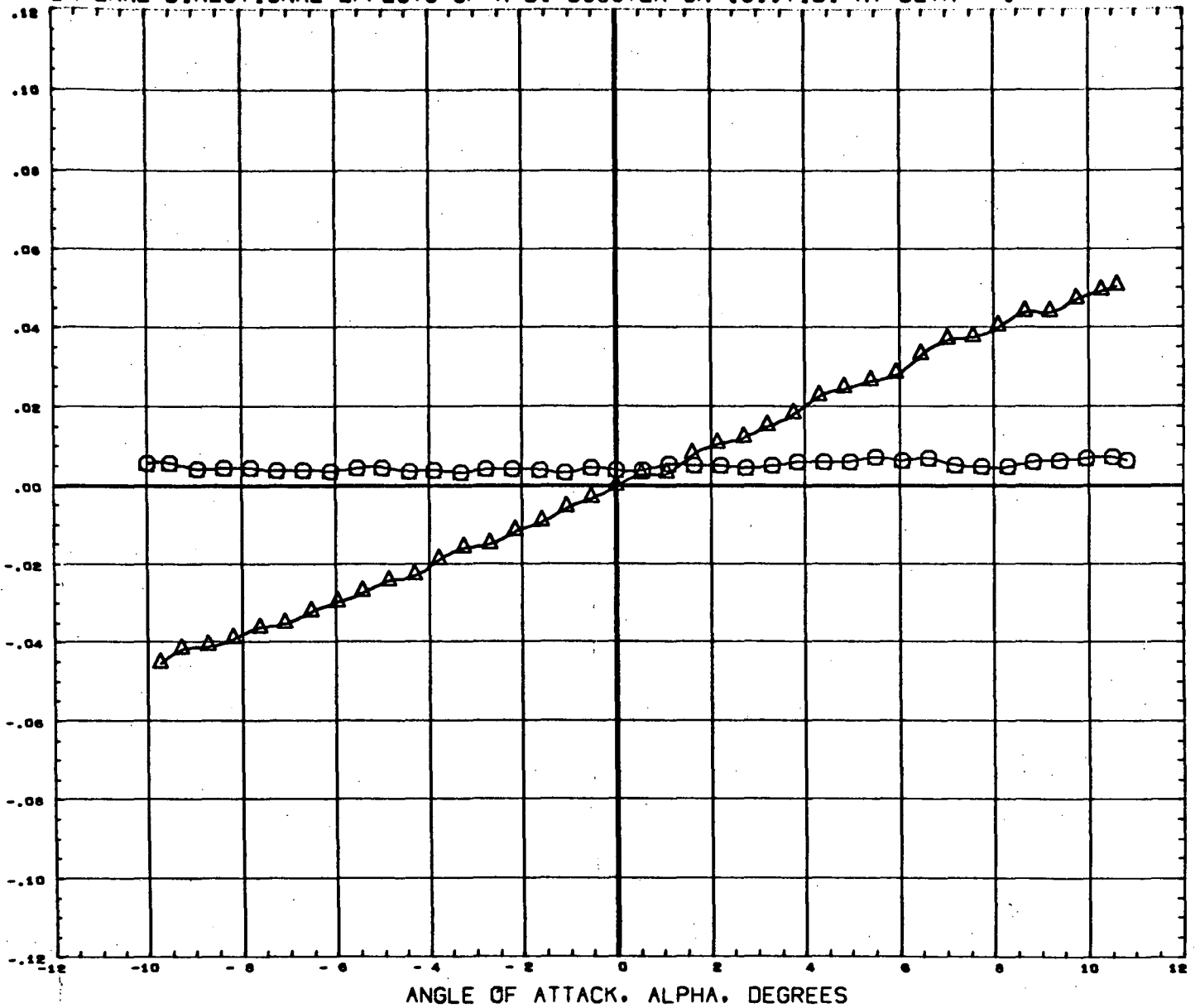
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7401)	MDAC S-222 COMPOSITE(T-CG) (O1)T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7405)	MDAC S-222 COMPOSITE(T-CG) (O1)T1B1L(B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	682.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 92

# LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (O1)T1B1 AT BETA = 0

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

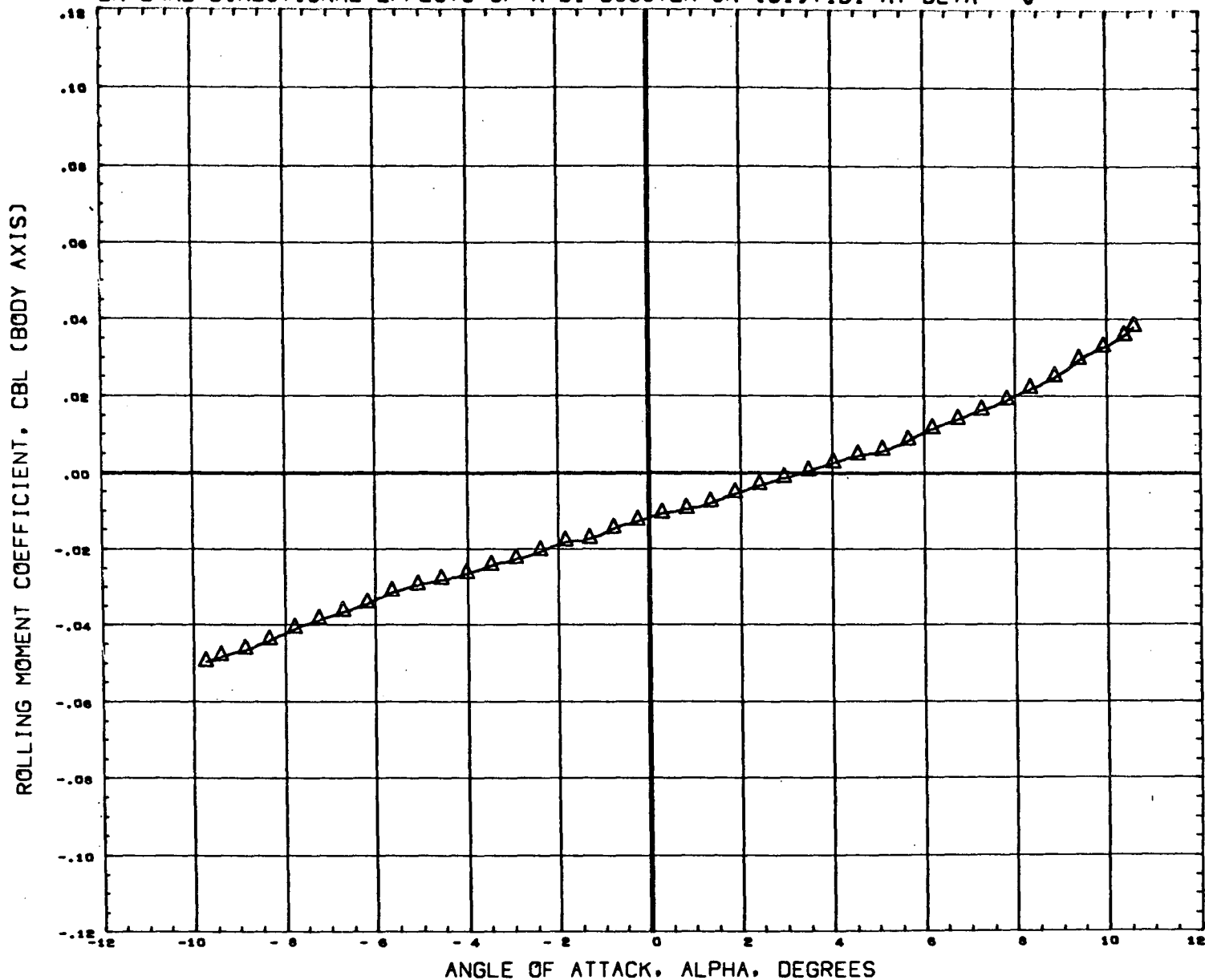


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(RD7401)	○	MDAC S-222 COMPOSITE (T-CG) (O1)T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(RD7403)	△	MDAC S-222 COMPOSITE (T-CG) (O1)T1B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004	IN.
							BREF	882.0004	IN.
							XMRP	557.0004	IN.
							YMRP	0.0000	IN.
							ZMRP	200.0004	IN.
							SCALE	0.0060	

MACH 1.10

PAGE 93

# LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (O1)T1B1 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RD7401) DATA NOT AVAILABLE FOR ALL CONDITIONS  
(RD7405) MDAC S-222 COMPOSITE (T-C6) (O1)T1B1L(B1R)

BETA ELEVTR AILRON RUDDER  
0.000 0.000 0.000 0.000  
0.000 0.000 0.000 0.000

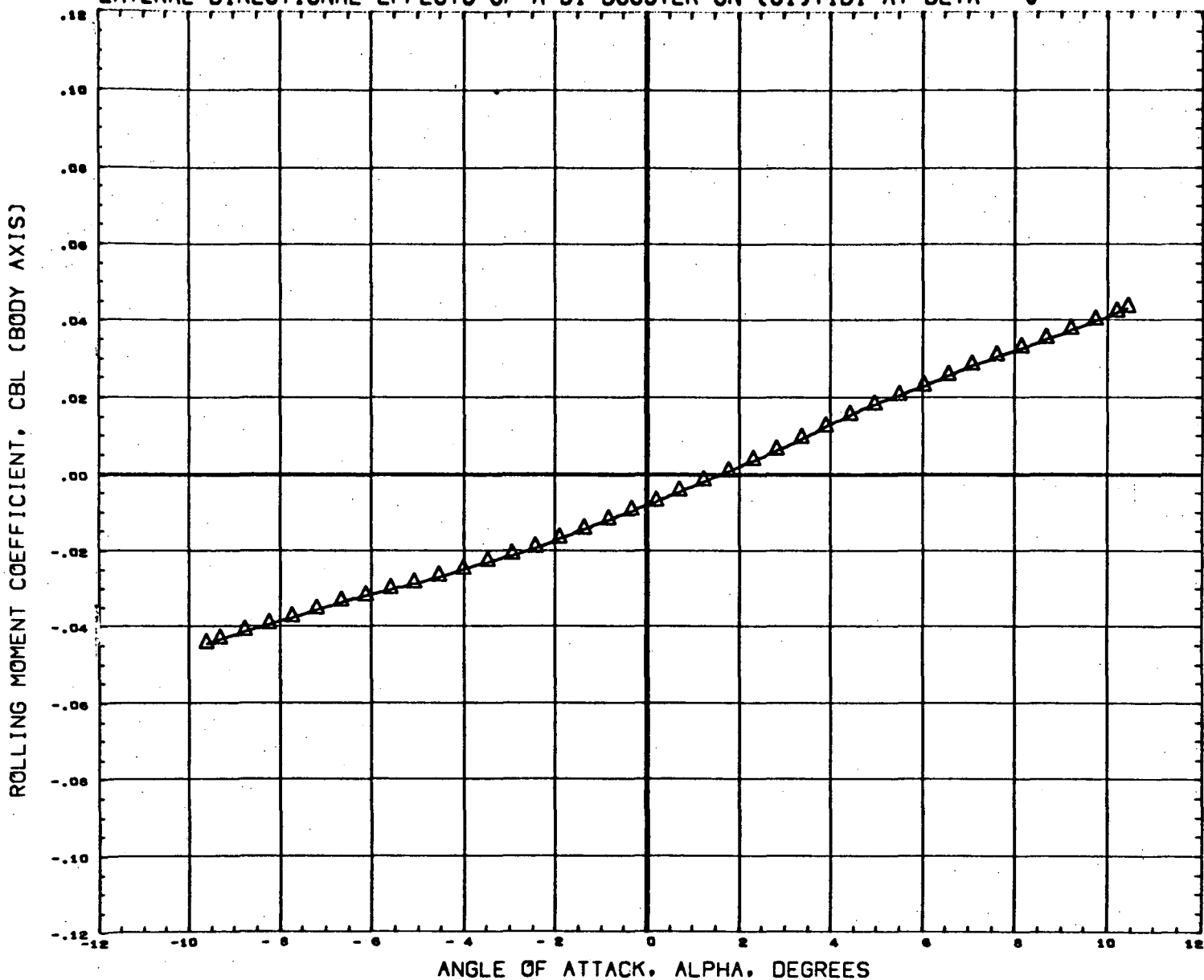
REFERENCE INFORMATION  
SREF 3155.3040 SQ.FT.  
LREF 609.3004 IN.  
BREF 882.0004 IN.  
XMRP 957.0004 IN.  
YMRP 0.0000 IN.  
ZMRP 200.0004 IN.  
SCALE 0.0060

MACH 2.20

PAGE 94



# LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 0



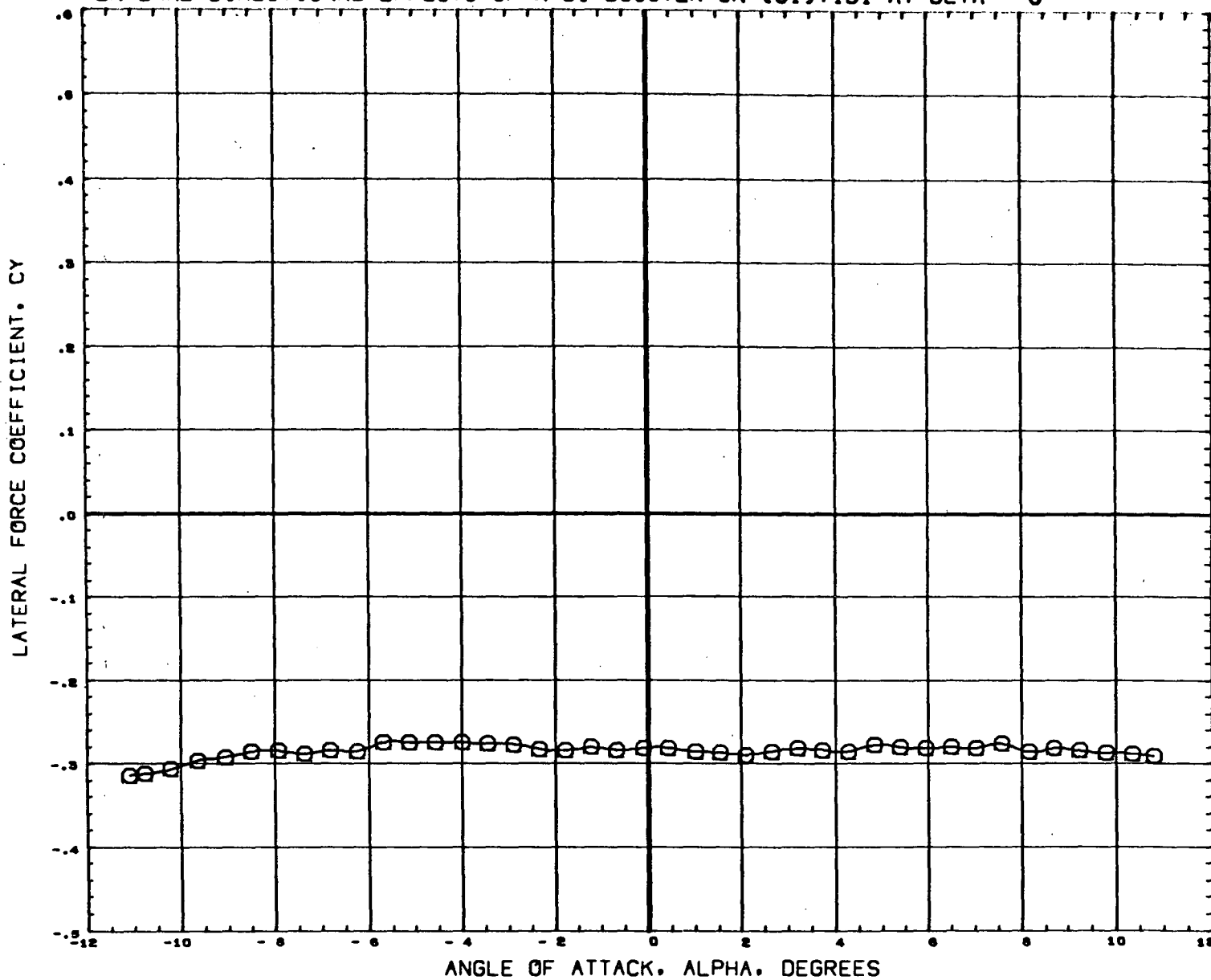
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RD7401) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (RD7405) MDAC 9-222 COMPOSITE(T-CG) (01)T1B1L(B1R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	997.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

PAGE 95

# LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 6

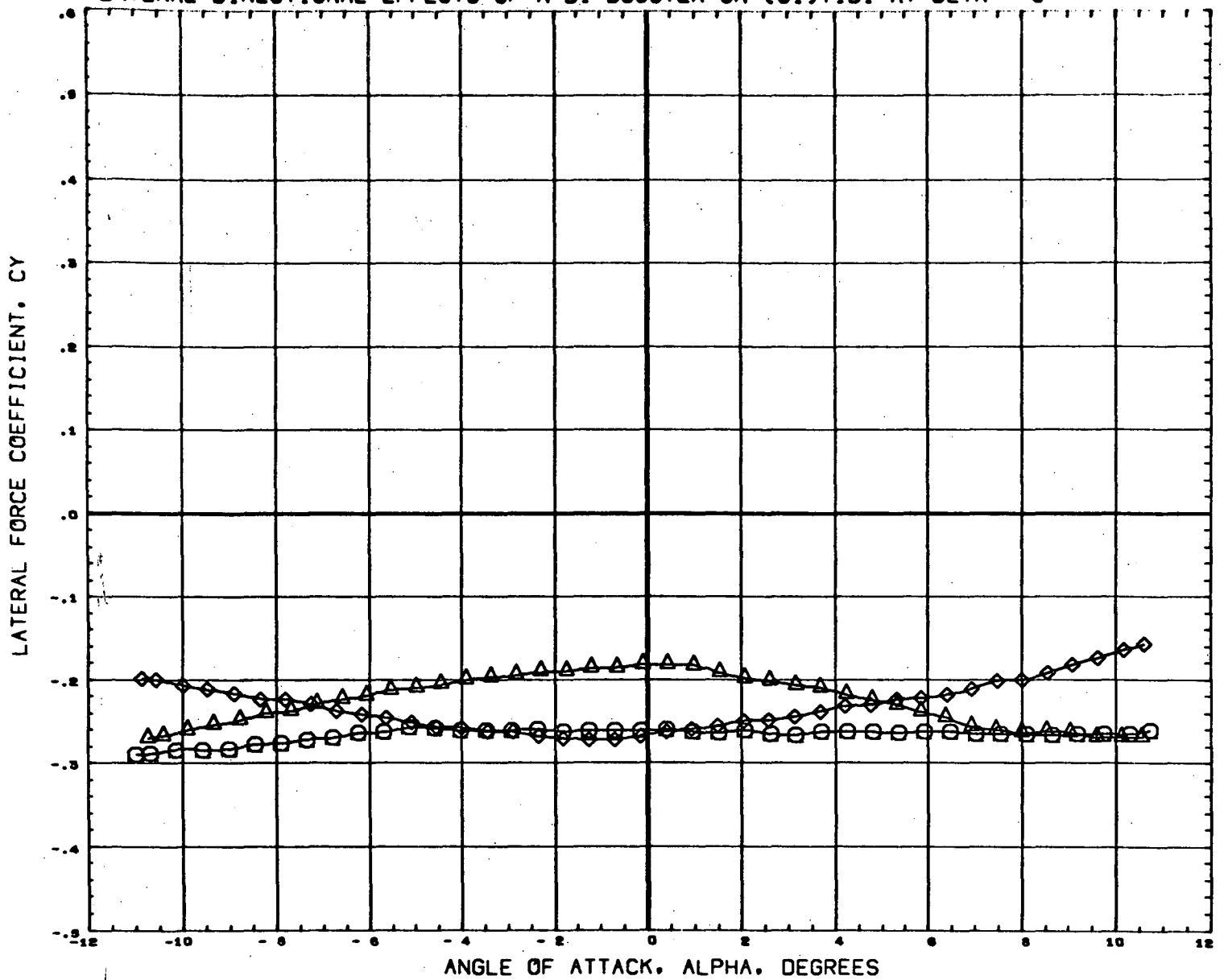


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7403)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7407)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7408)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

PAGE 96

# LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (O1)T1B1 AT BETA = 6

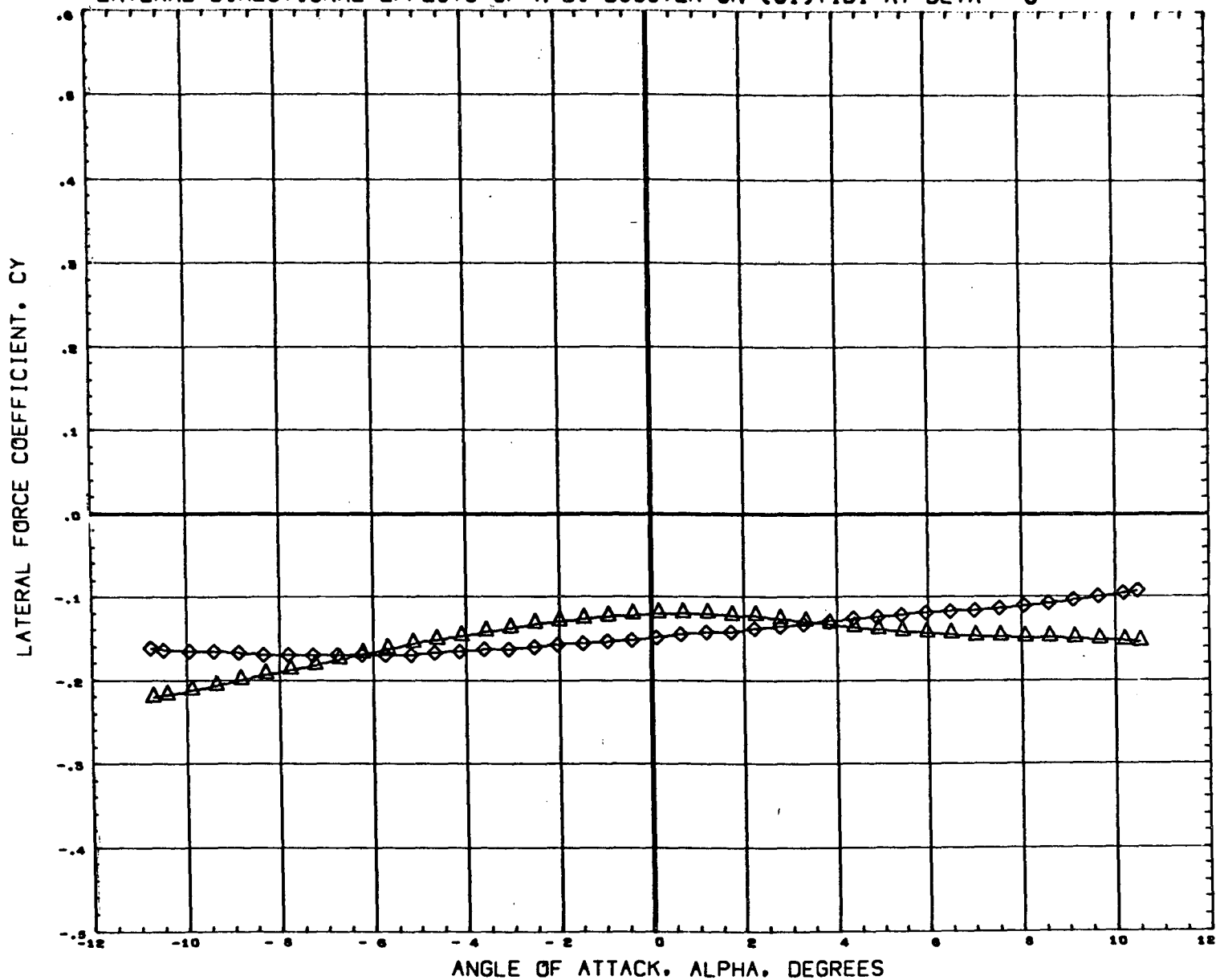


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7403)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7407)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B1L(B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7408)	MDAC S-222 COMPOSITE (T-CG) (O1)T1(B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 97

# LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (O1)T1B1 AT BETA = 6

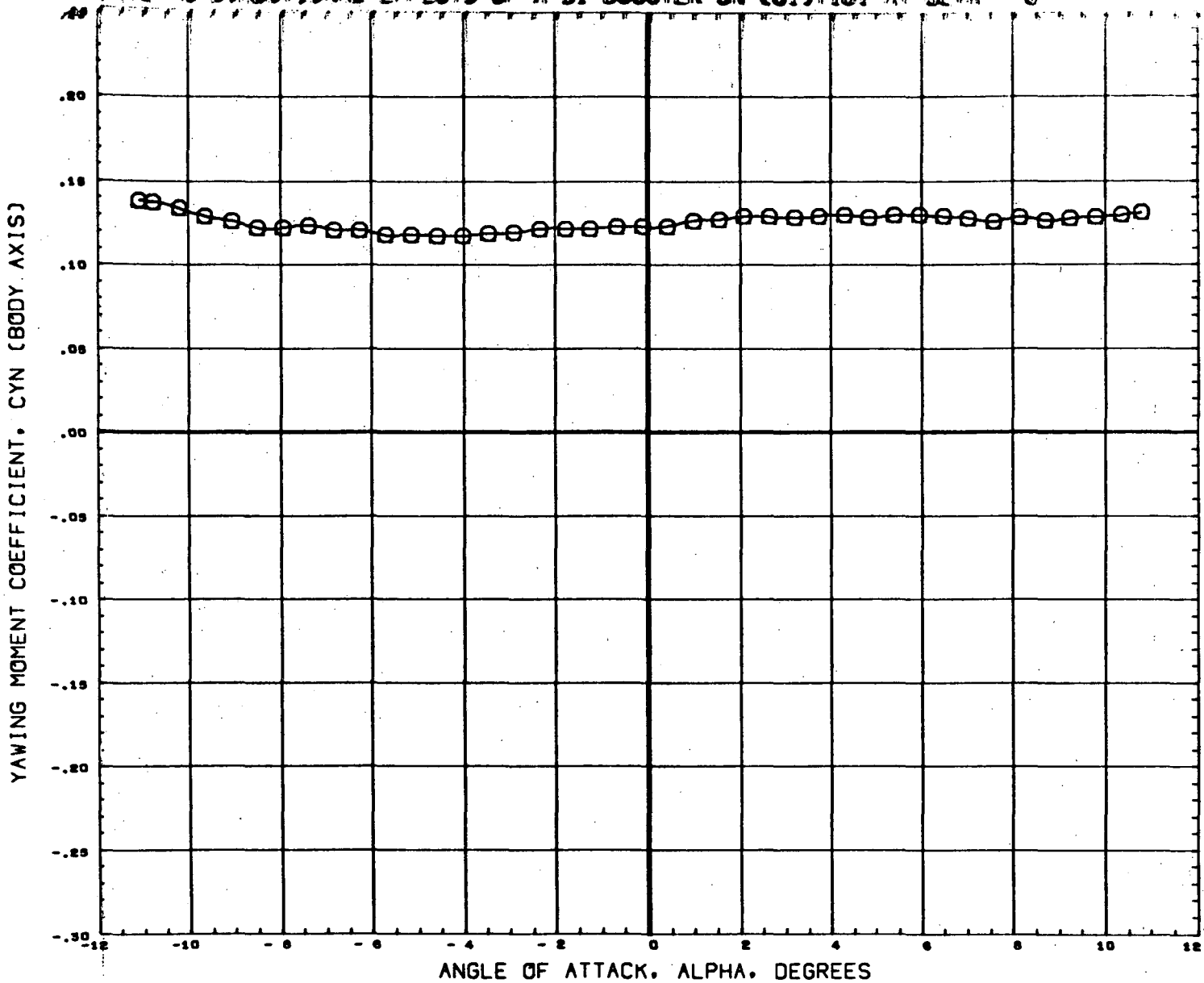


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7403)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7407)	MDAC S-222 COMPOSITE(T-C6) (O1)T1B1L(B1R)	0.000	0.000	0.000	0.000	LREF	809.5004 IN.
(RD7408)	MDAC S-222 COMPOSITE(T-C6) (O1)T1(B1L)B1R	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	937.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 98

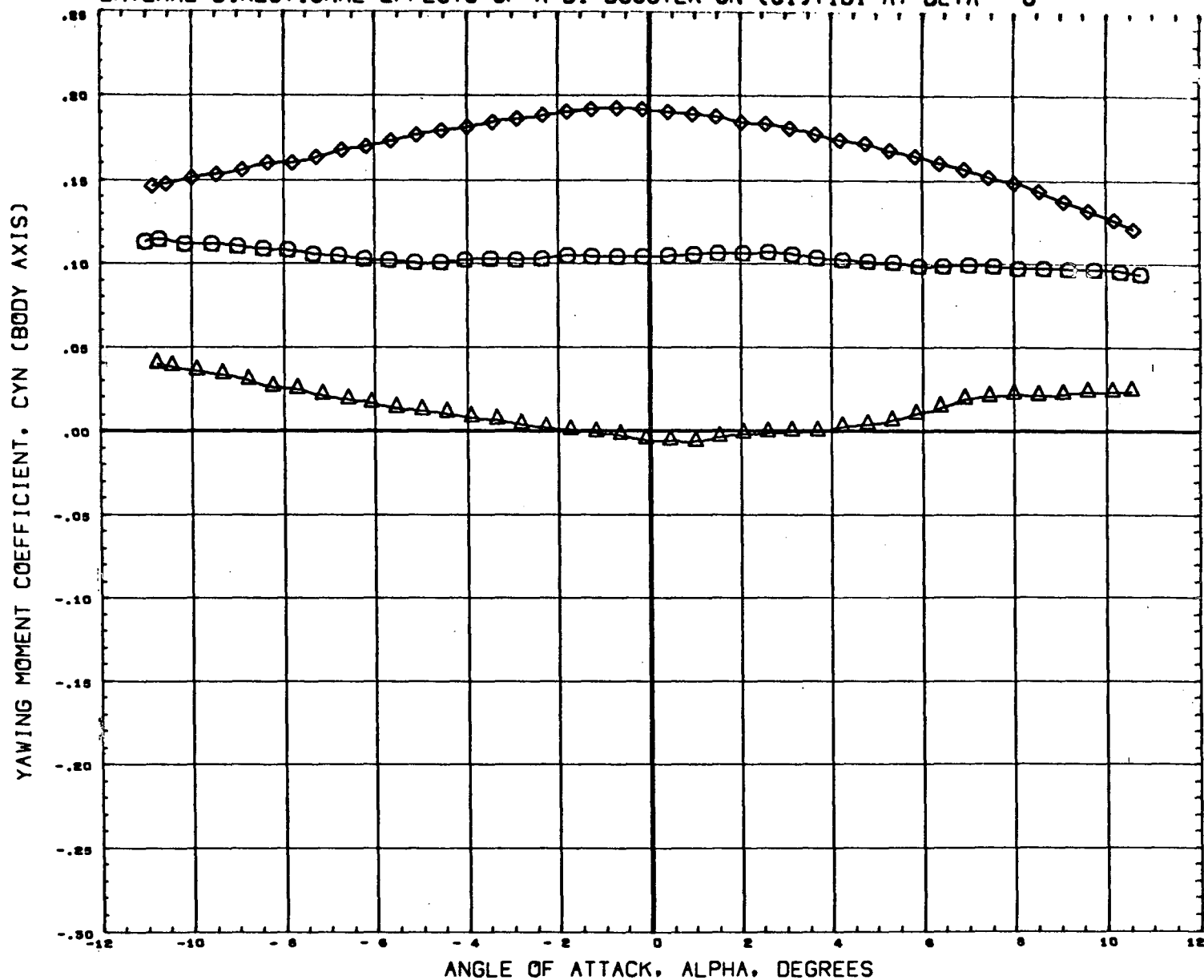
# LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(R07403)	MDAC S-222 COMPOSITE(T-CG) (01)T1B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(R07407)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(R07408)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

# LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (O1)T1B1 AT BETA = 6

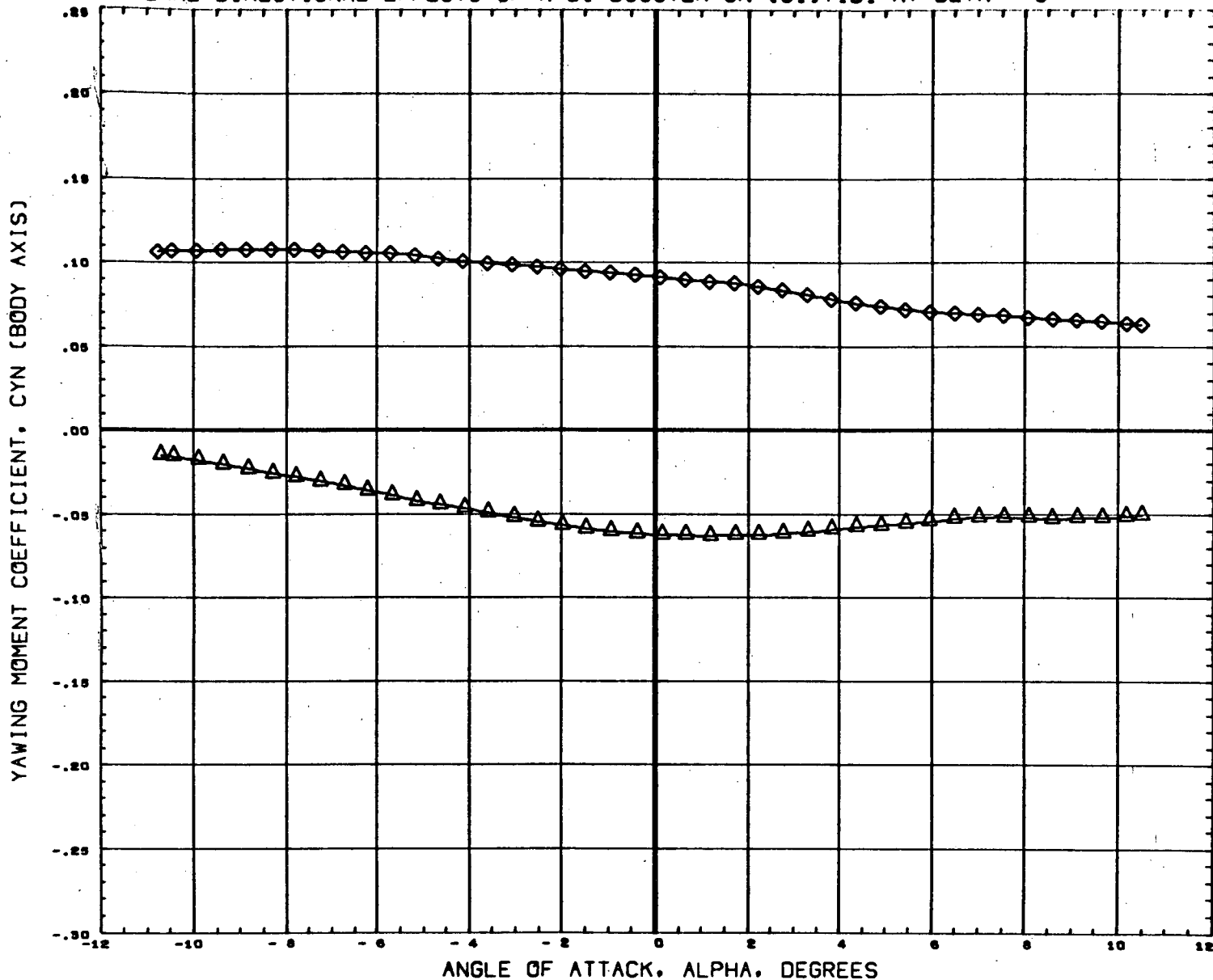


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7403)	MDAC S-222 COMPOSITE(T-CG) (O1)T1B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7407)	MDAC S-222 COMPOSITE(T-CG) (O1)T1B1L(B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7406)	MDAC S-222 COMPOSITE(T-CG) (O1)T1(B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	957.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 100

# LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 6



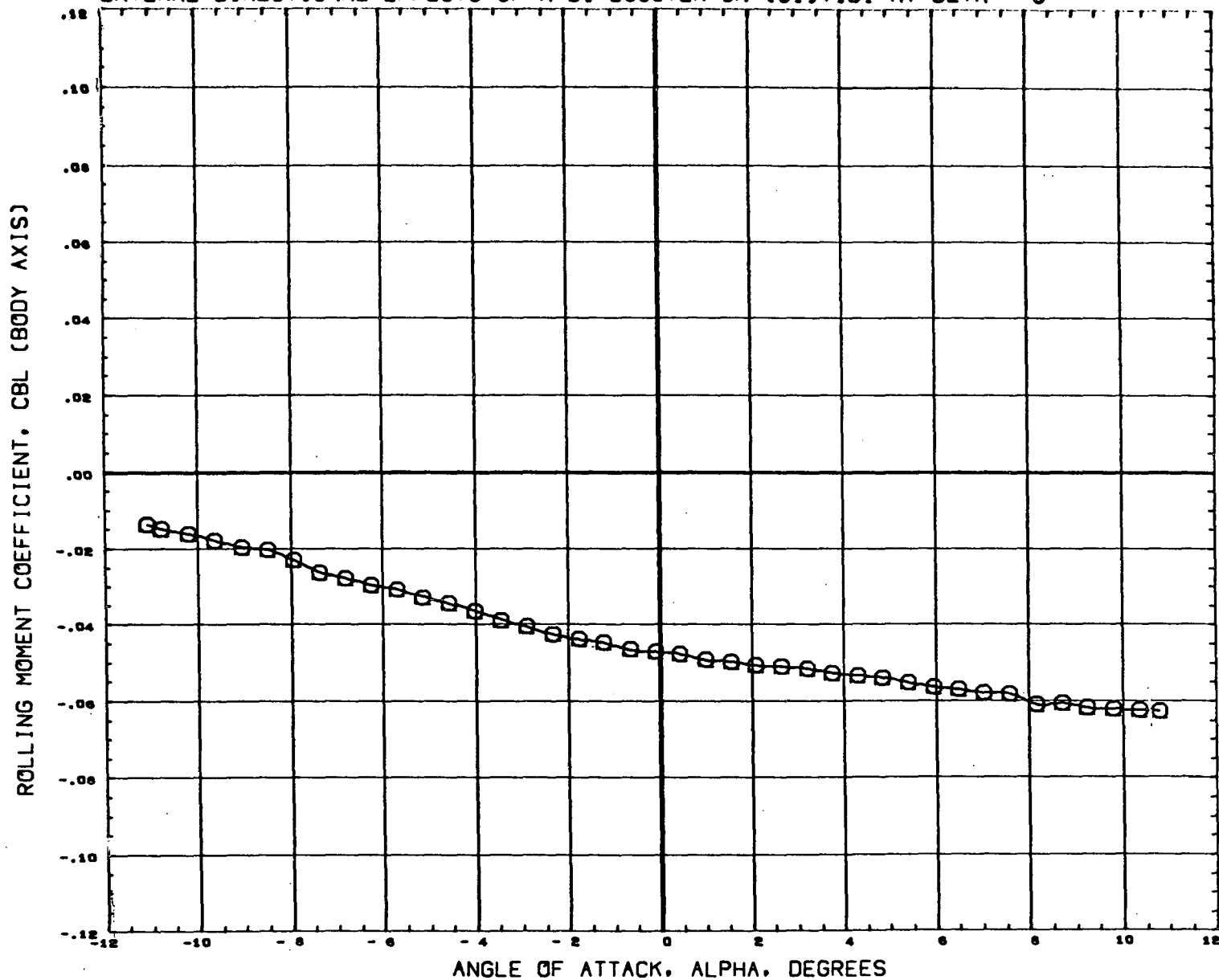
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (RD7403)     $\square$     DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (RD7407)     $\triangle$     MDAC S-222 COMPOSITE(T-CG) (01)T1B1L(B1R)  
 (RD7408)     $\diamond$     MDAC S-222 COMPOSITE(T-CG) (01)T1(B1L)B1R

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.5040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
6.000	0.000	0.000	0.000	BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

PAGE 101

# LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 6



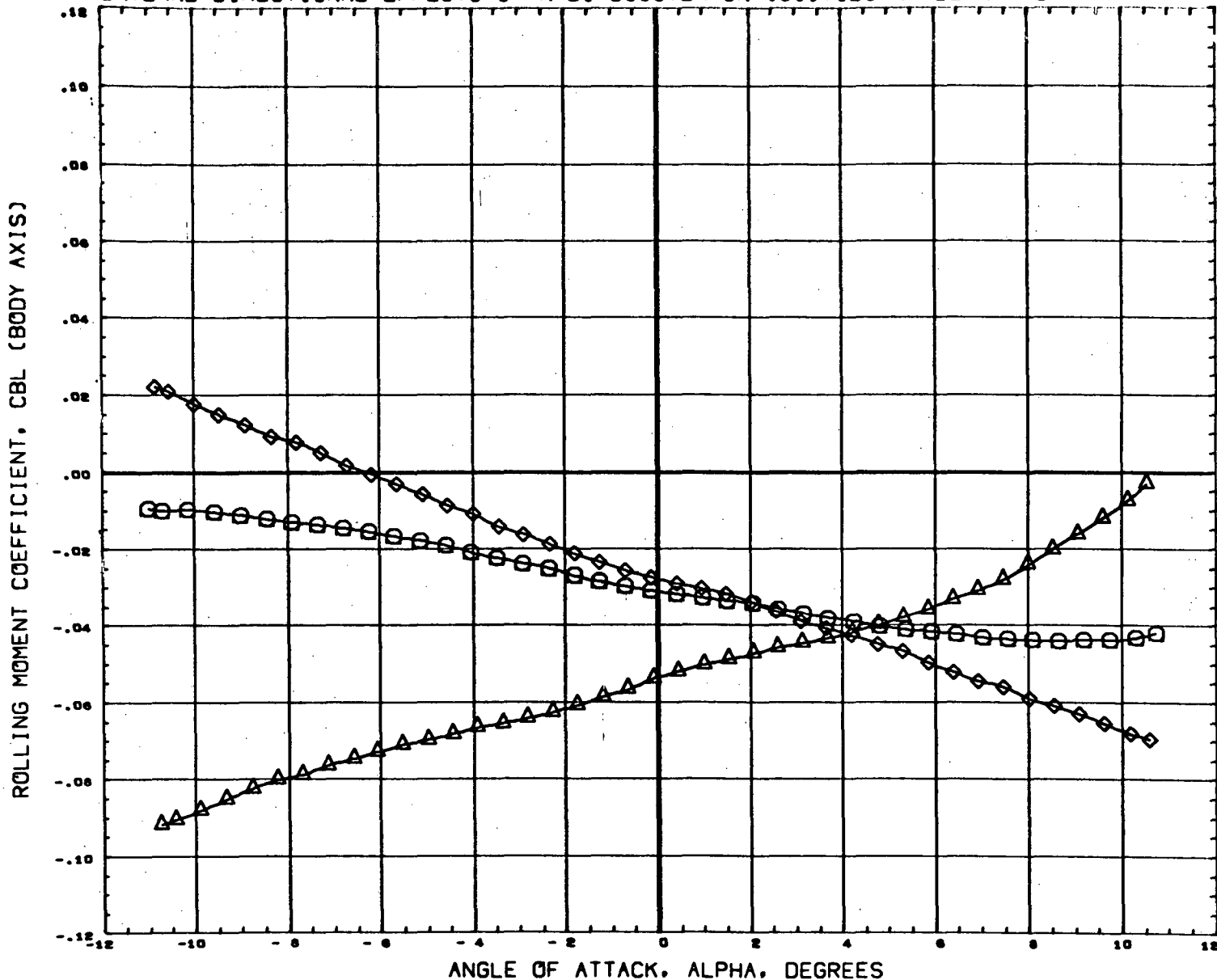
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7403)	MDAC S-222 COMPOSITE(T-CG) (01)T1B1	6.000	0.000	0.000	0.000	SREF	3155.3040 90.FT.
(RD7407)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.9004 IN.
(RD7408)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

PAGE 102



# LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 6

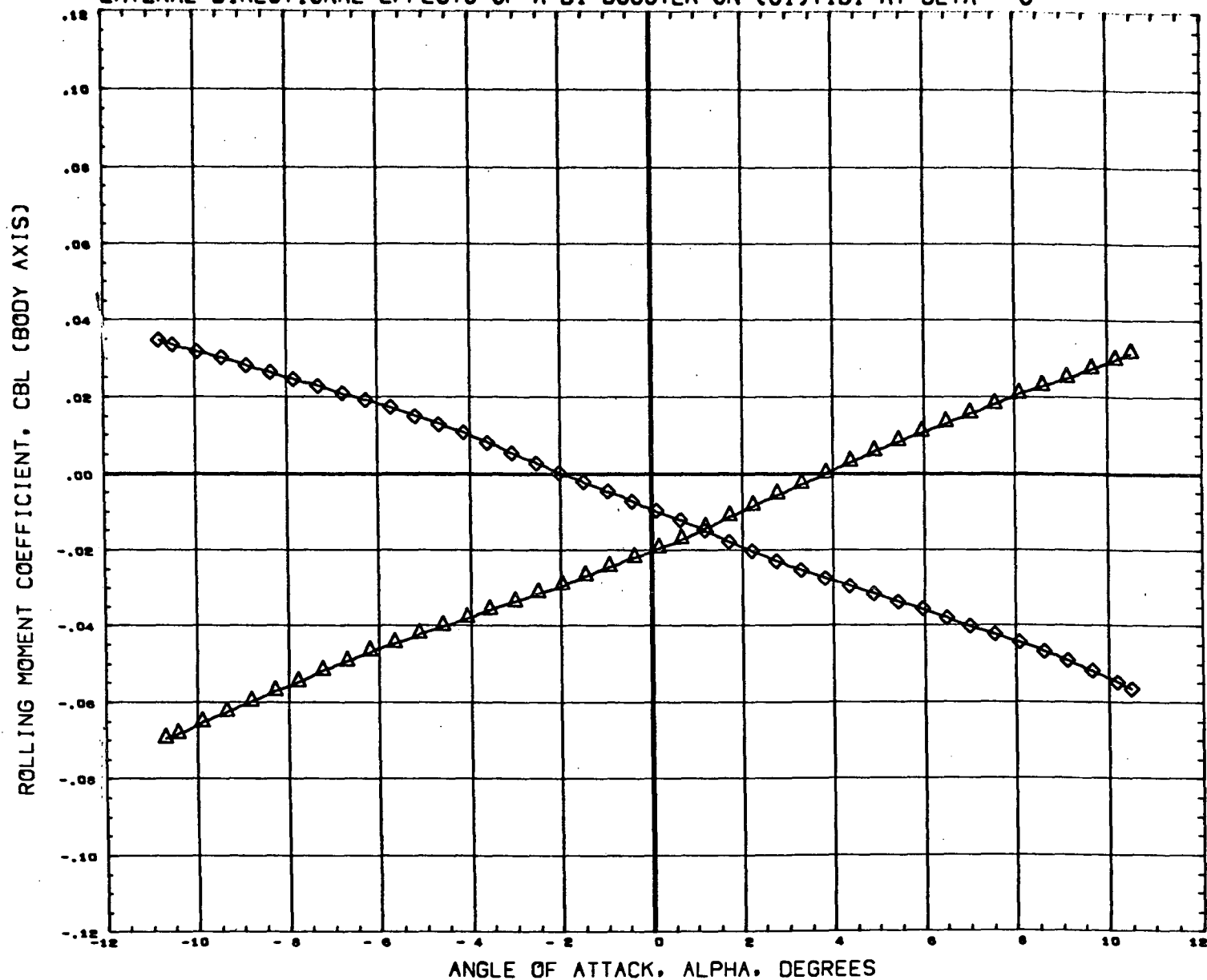


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7403)	MDAC S-222 COMPOSITE(T-CG) (01)T1B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7407)	MDAC S-222 COMPOSITE(T-CG) (01)T1B1L(B1R)	6.000	0.000	0.000	0.000	LREF	609.3004 IN.
(RD7408)	MDAC S-222 COMPOSITE(T-CG) (01)T1(B1L)B1R	6.000	0.000	0.000	0.000	BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

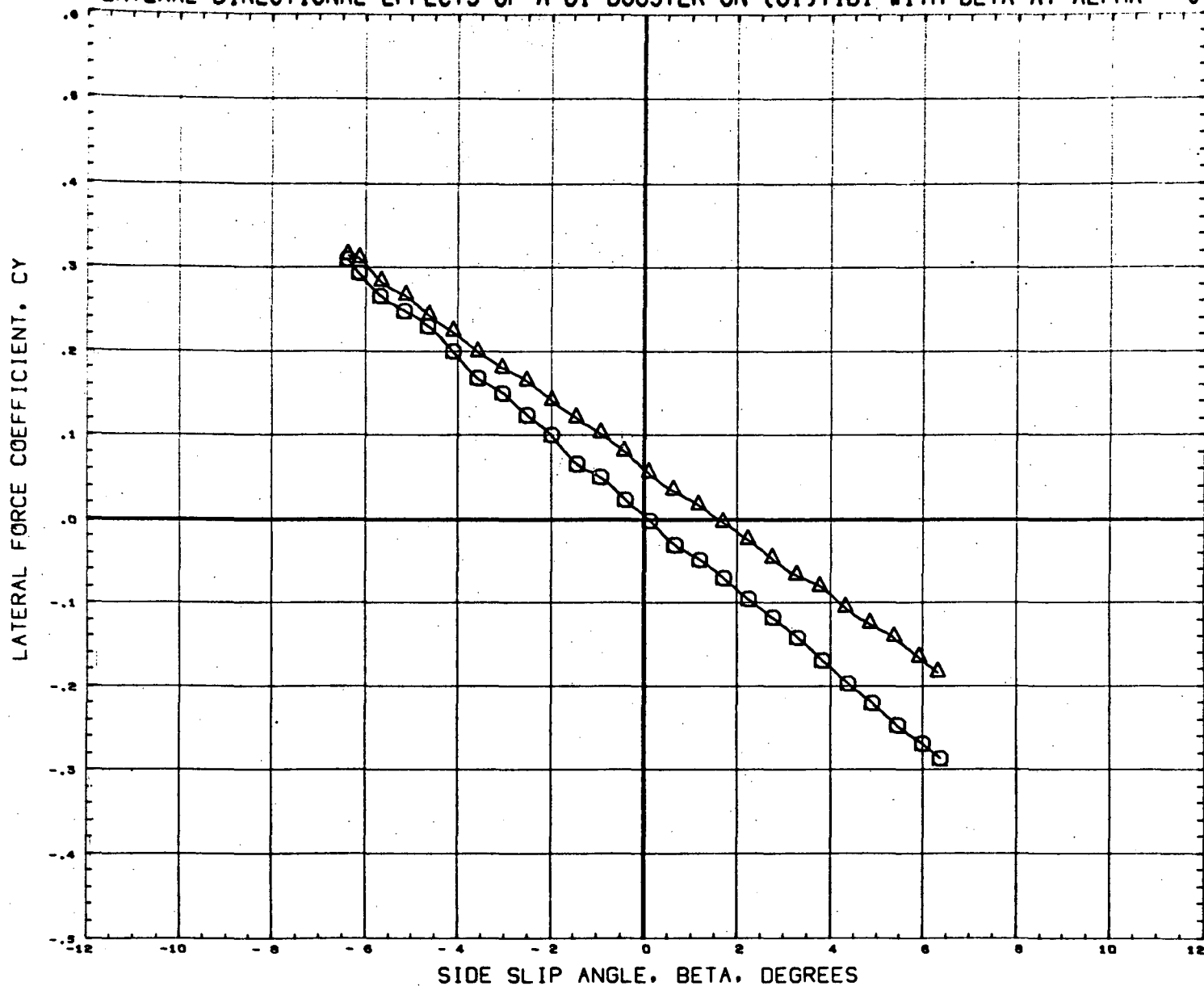
PAGE 103

# LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 AT BETA = 6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7403)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7407)	MDAC S-222 COMPOSITE(T-CG) (01)T1B1L(B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7408)	MDAC S-222 COMPOSITE(T-CG) (01)T1(B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	537.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

# LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 WITH BETA AT ALPHA = 0



DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
(RD7402)    (01)T1B1  
(RD7406)    (01)T1B1L (B1R)

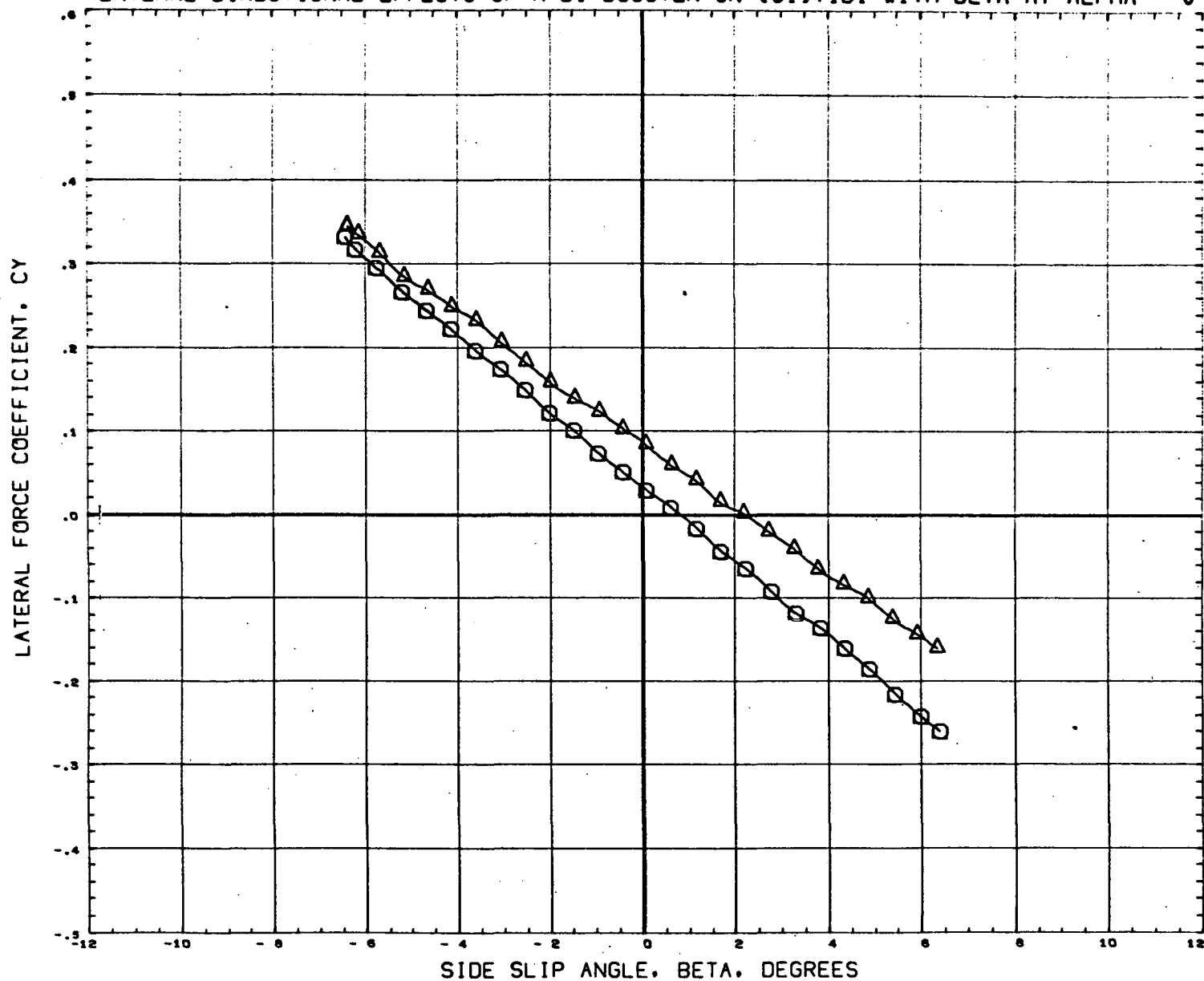
ALPHA    ELEVTR    AILRON    RUDDER  
0.000    0.000    0.000    0.000  
0.000    0.000    0.000    0.000

REFERENCE INFORMATION  
SREF    3155.3040    SQ.FT.  
LREF    609.3004    IN.  
BREF    882.0004    IN.  
XMRP    337.0004    IN.  
YMRP    0.0000    IN.  
ZMRP    200.0004    IN.  
SCALE    0.0060

MACH    .90

PAGE    105

# LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 WITH BETA AT ALPHA = 0



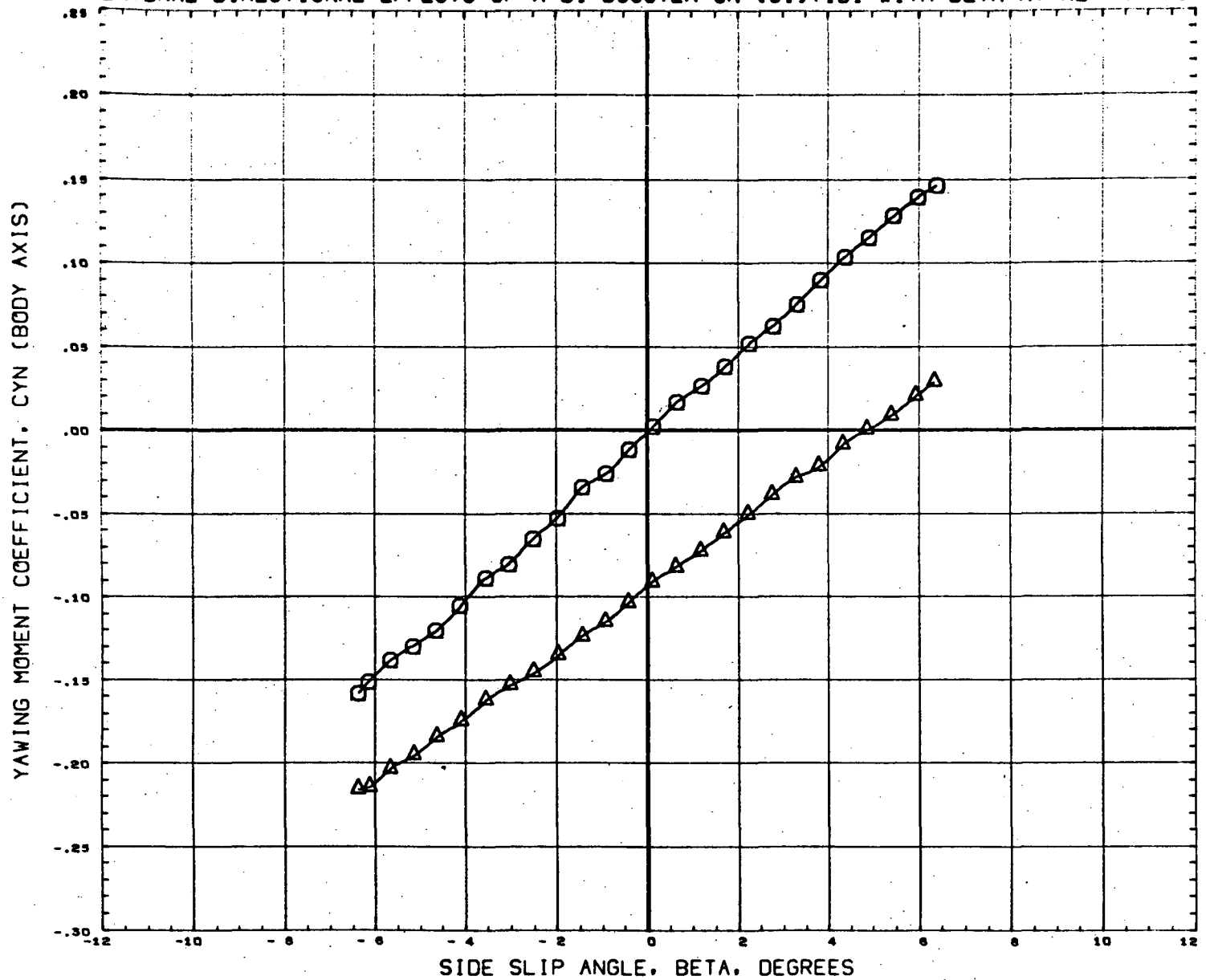
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7402)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7406)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	662.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH

1.09

PAGE 106

# LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 WITH BETA AT ALPHA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(R07402)  $\bigcirc$  MDAC S-222 COMPOSITE (T-CG) (01)T1B1  
 (R07406)  $\triangle$  MDAC S-222 COMPOSITE (T-CG) (01)T1B1L (B1R)

ALPHA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

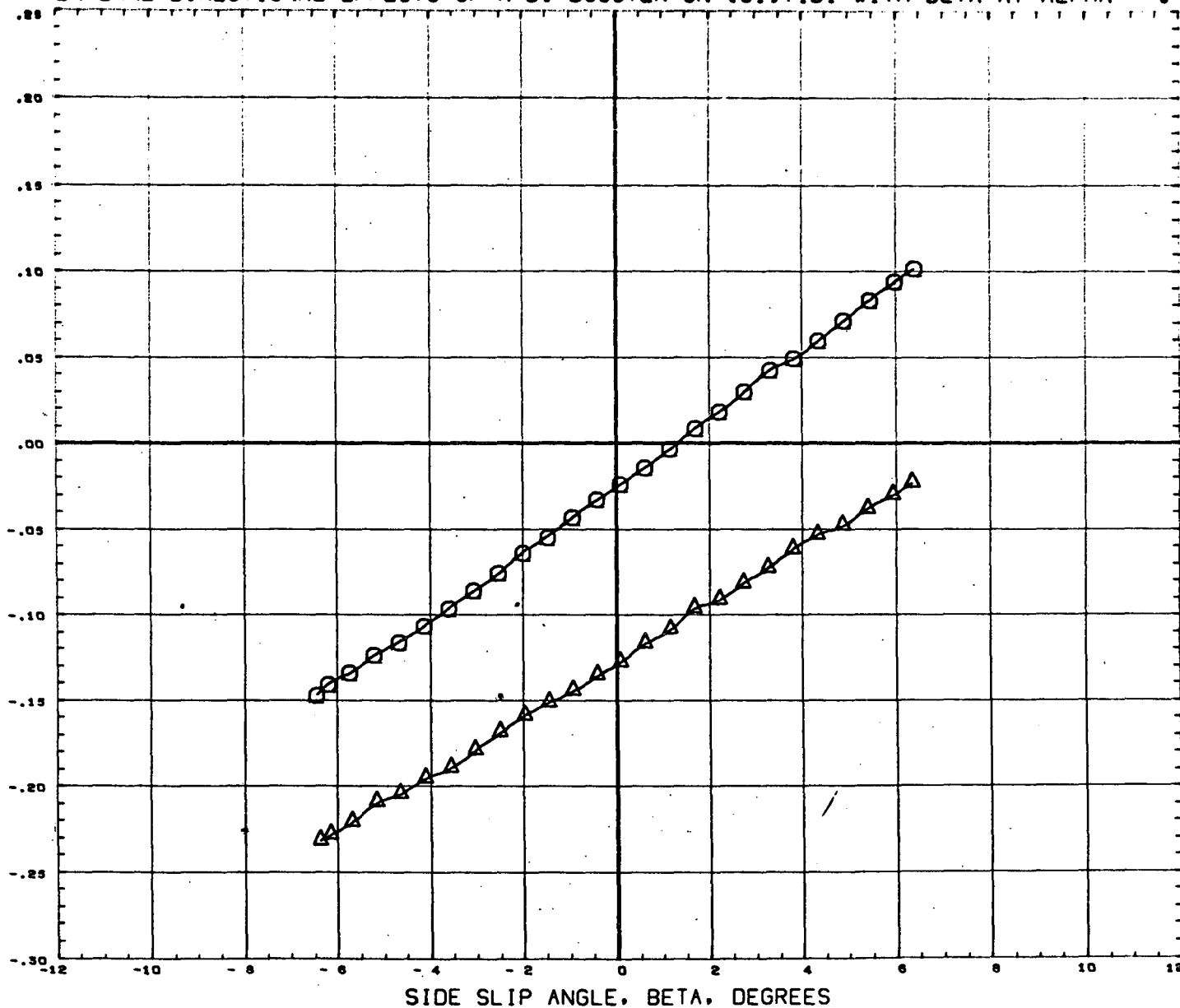
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH .90

PAGE 107

# LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (O1)T1B1 WITH BETA AT ALPHA = 0

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



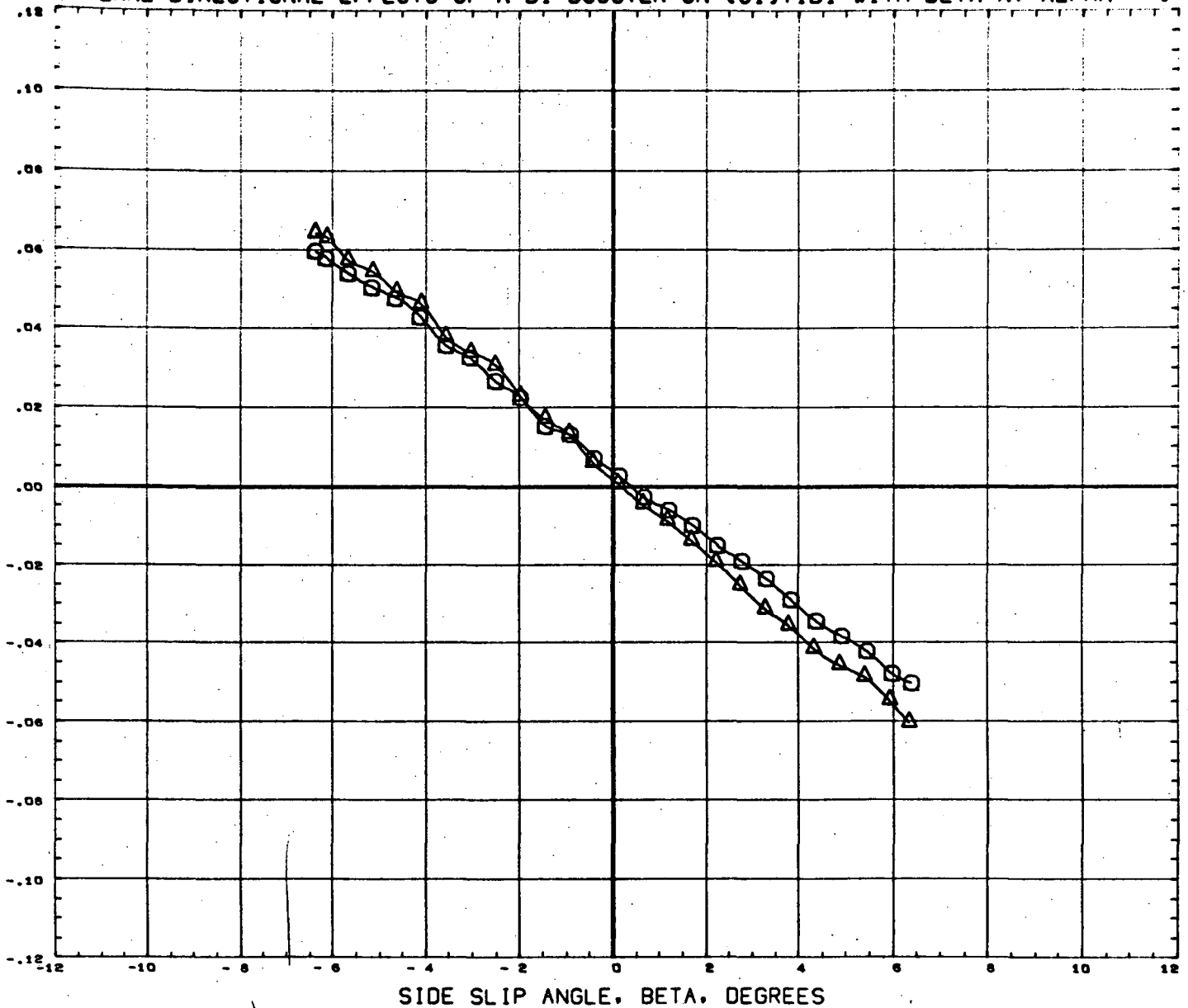
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7402)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7406)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B1L(B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

PAGE 108

# LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (O1)T1B1 WITH BETA AT ALPHA = 0

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

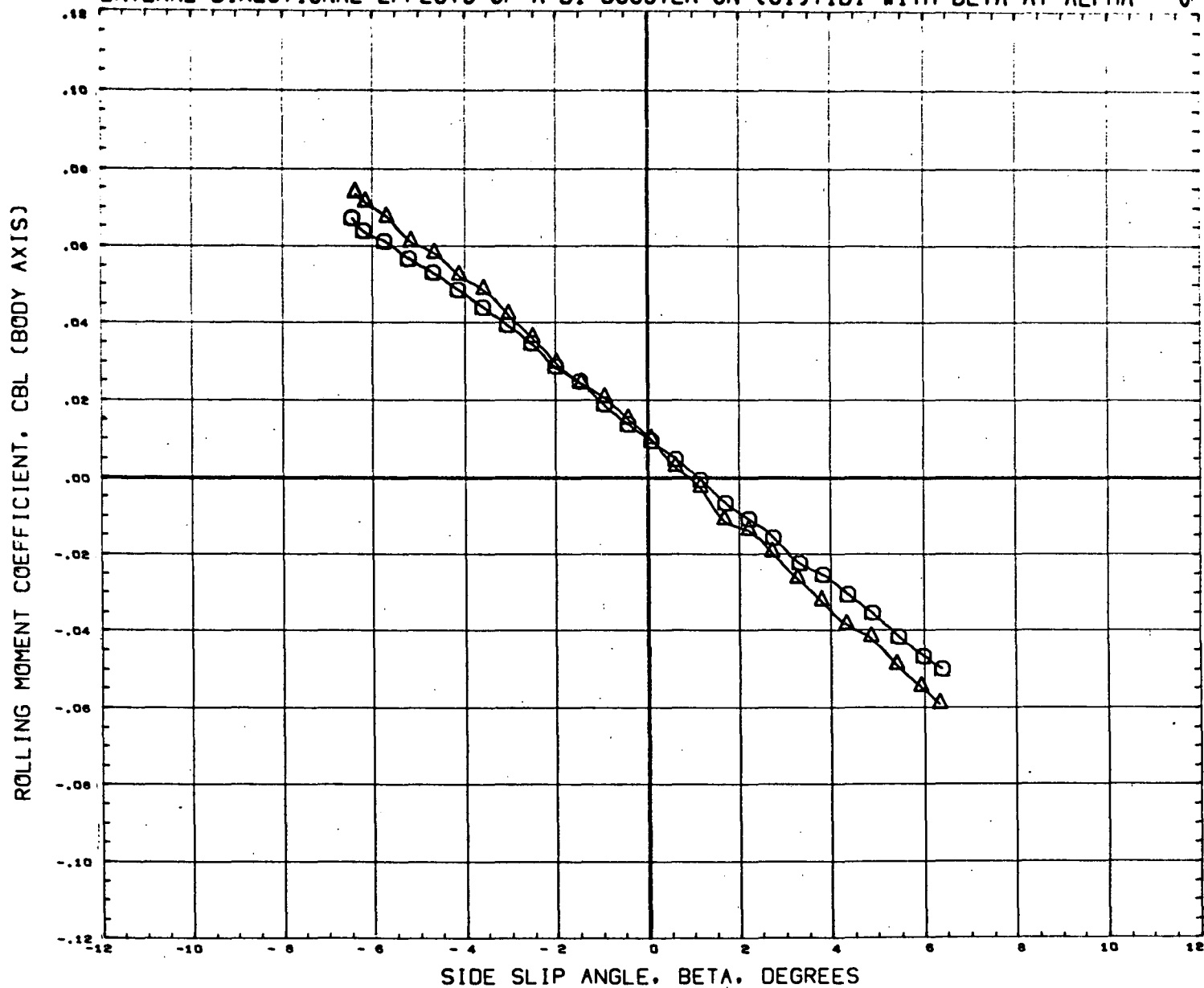


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7402)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7406)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 109

# LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 WITH BETA AT ALPHA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7402)	MDAC S-222 COMPOSITE (T-CG) (01) T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7406)	MDAC S-222 COMPOSITE (T-CG) (01) T1B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

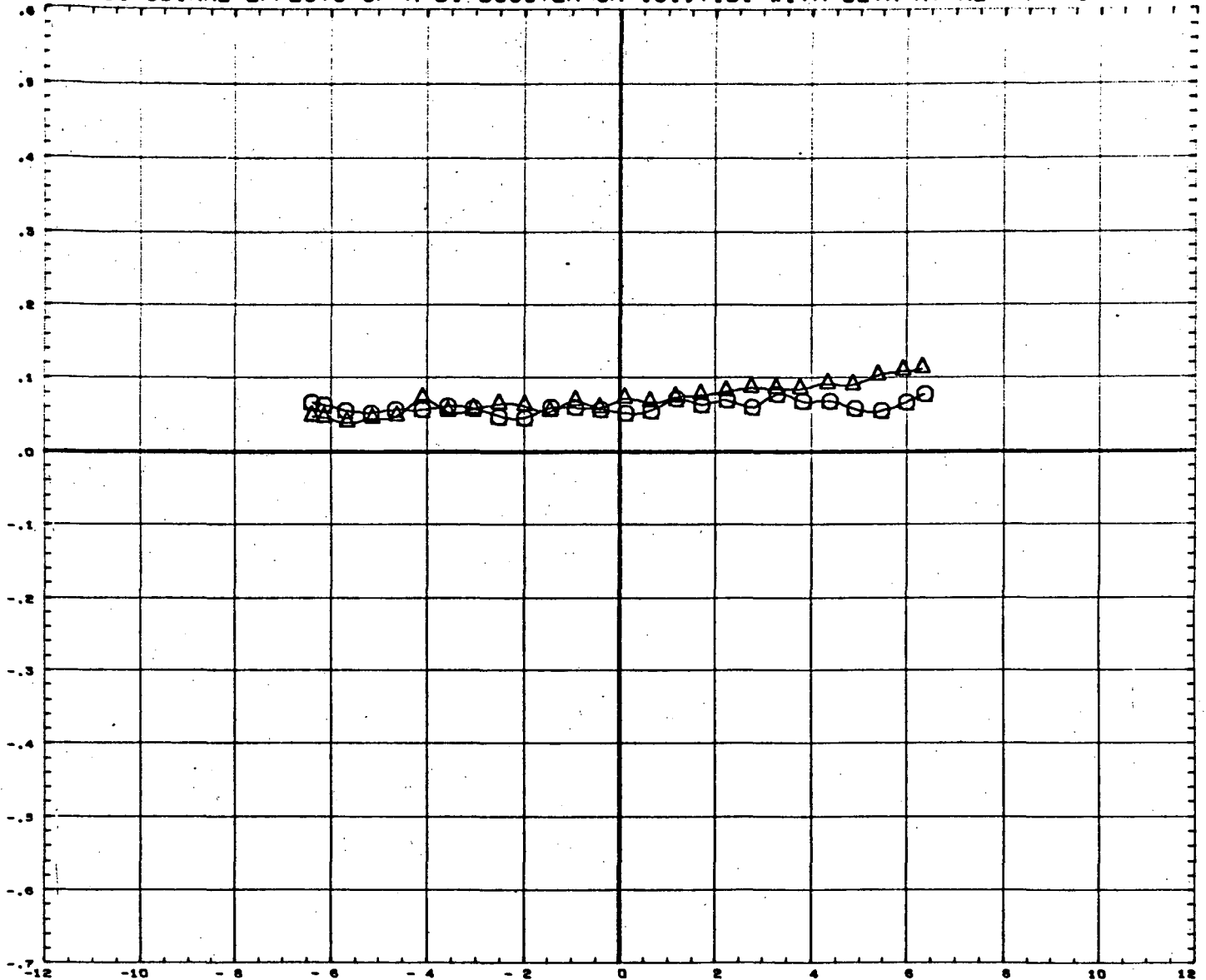
MACH 1.09

PAGE 110



# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 WITH BETA AT ALPHA = 0

NORMAL FORCE COEFFICIENT, CN



SIDE SLIP ANGLE, BETA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7402) MDAC S-222 COMPOSITE (T-CG) (01)T1B1  
(CD7406) MDAC S-222 COMPOSITE (T-CG) (01)T1B1L (B1R)

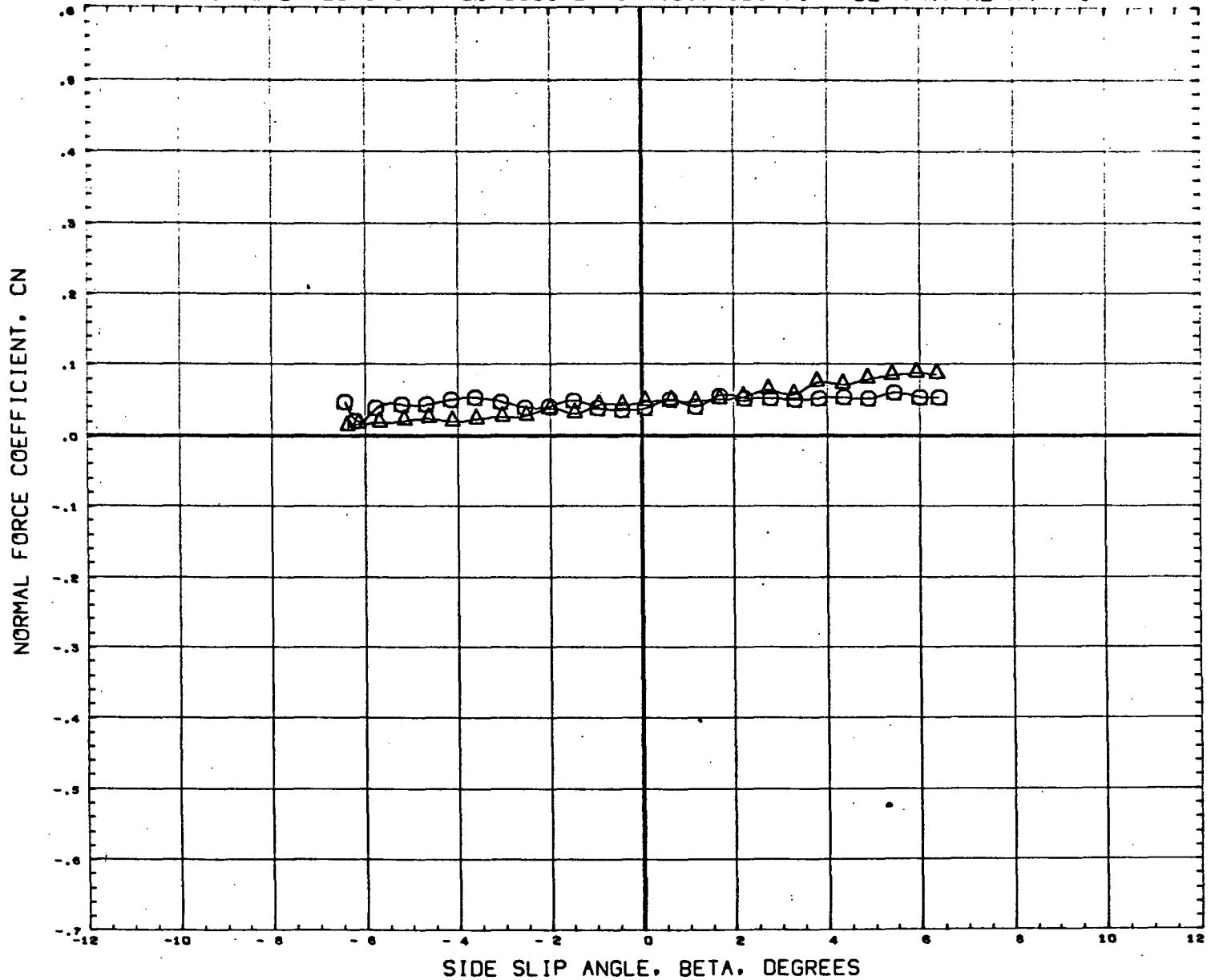
ALPHA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION	
SREF	3155.3040 SQ.FT.
LREF	609.5004 IN.
BREF	882.0004 IN.
XMRP	357.0004 IN.
YMRP	0.0000 IN.
ZMRP	200.0004 IN.
SCALE	0.0060

MACH .90

PAGE 111

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 WITH BETA AT ALPHA = 0



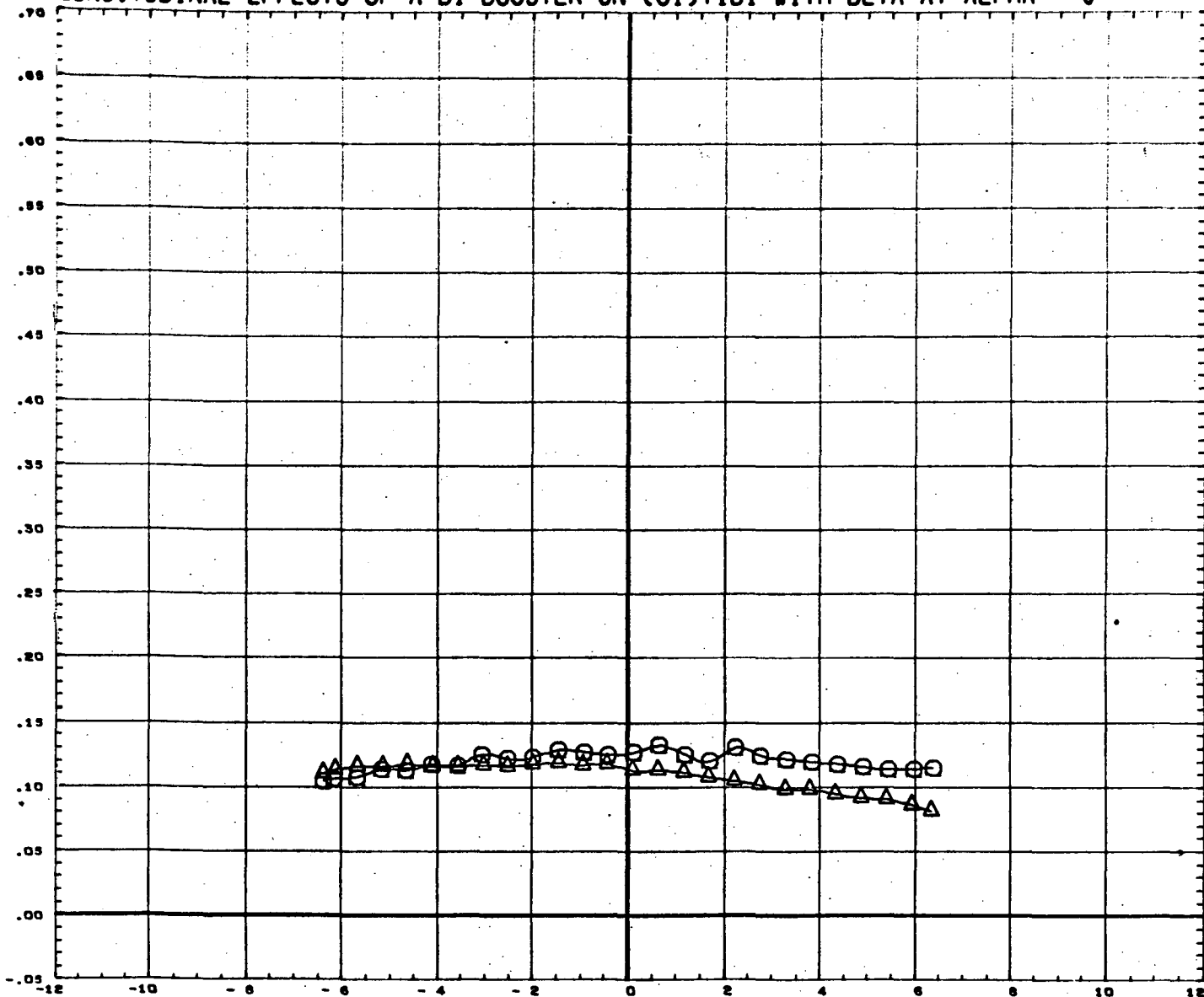
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7402)	NDAC S-222 COMPOSITE (T-CG) (01)T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7406)	NDAC S-222 COMPOSITE (T-CG) (01)T1B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.3004 IN.
						BREF	662.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

PAGE 112

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T1B1 WITH BETA AT ALPHA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF



SIDE SLIP ANGLE, BETA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

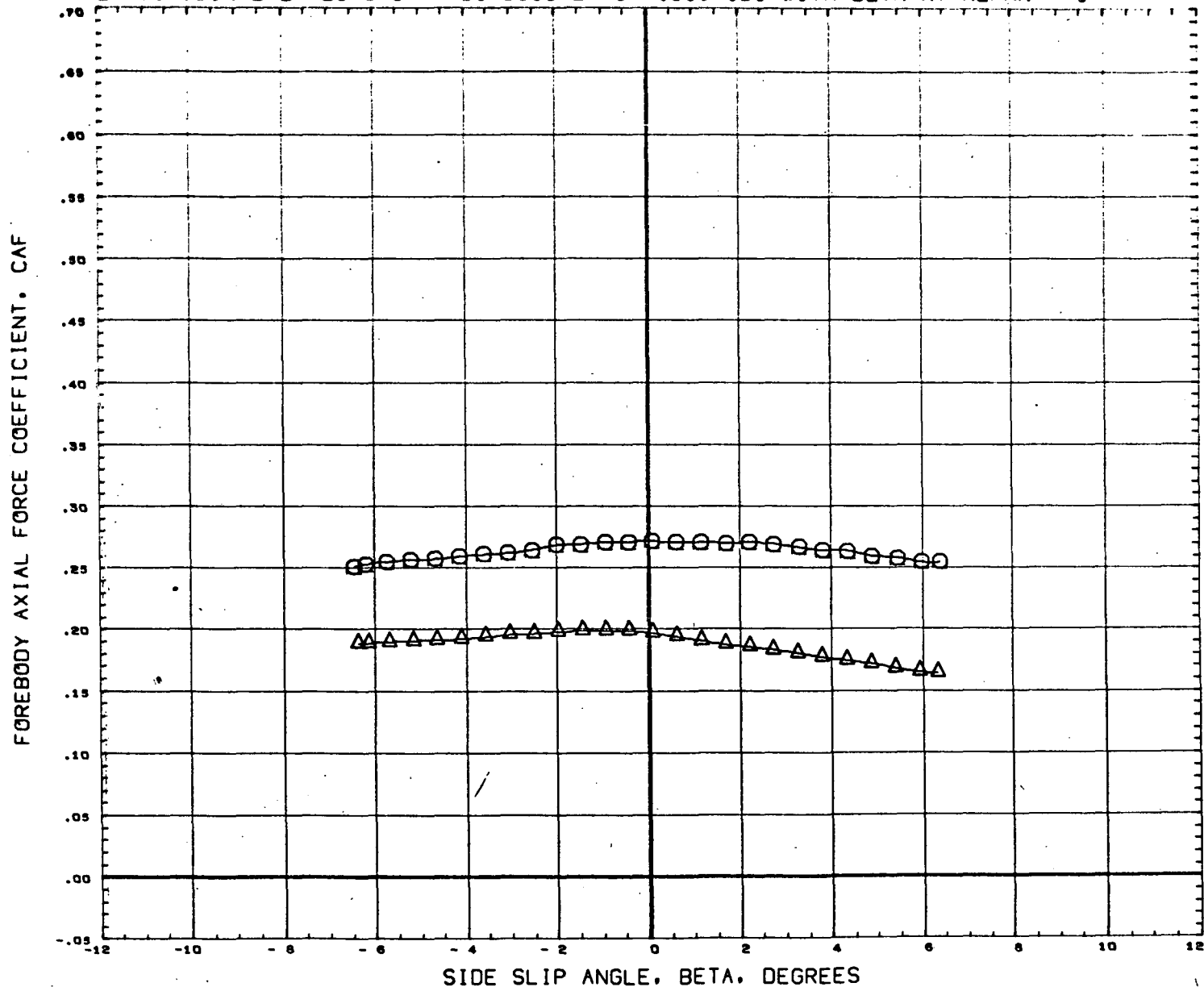
(CD7402)  MDAC S-222 COMPOSITE (T-CG) (O1)T1B1  
(CD7406)  MDAC S-222 COMPOSITE (T-CG) (O1)T1B1L (B1R)

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	862.0004 IN.
				XMRP	937.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .90

PAGE 113

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 WITH BETA AT ALPHA = 0

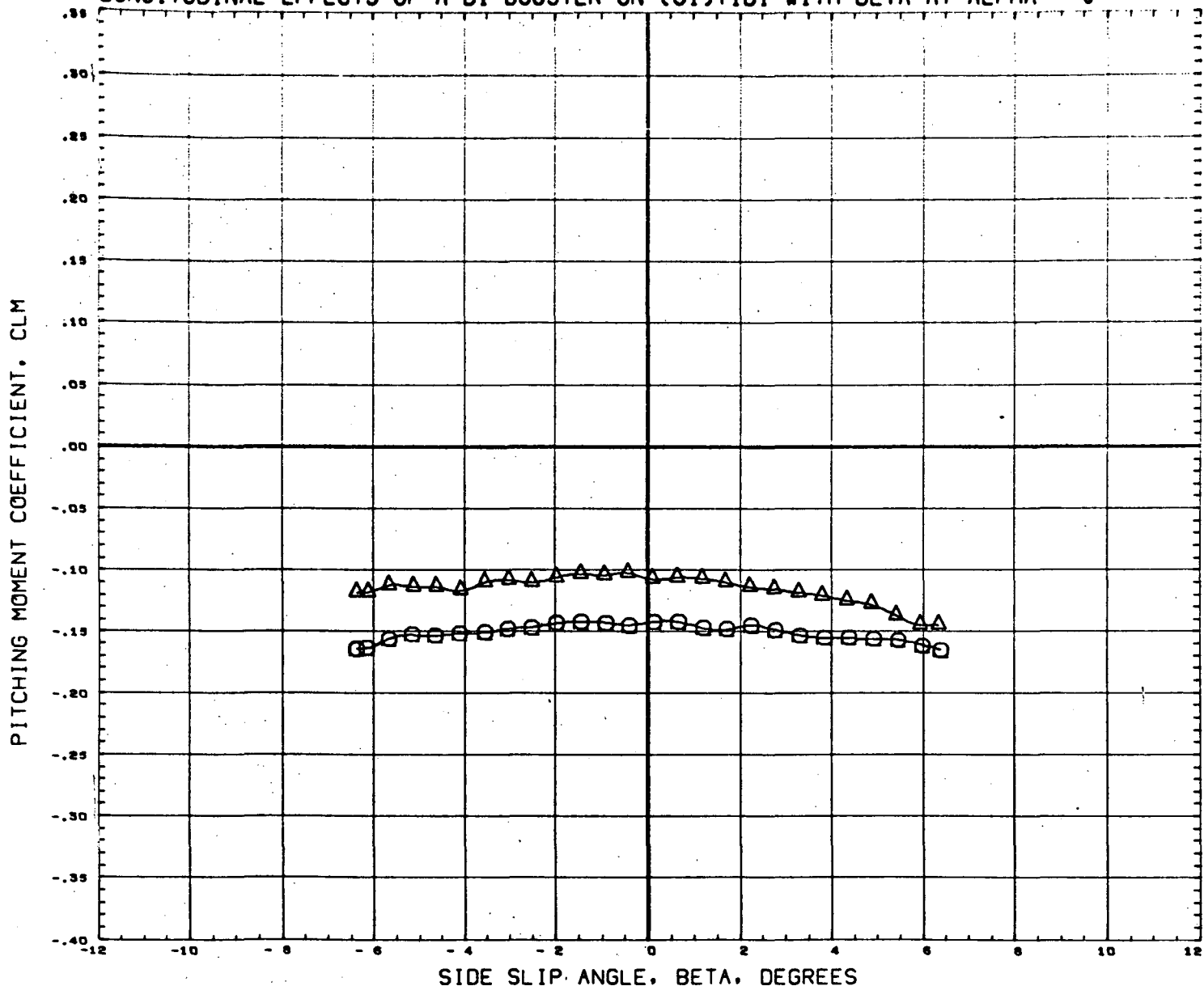


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7402)	MDAC S-222 COMPOSITE (T-CG) (01) T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7406)	MDAC S-222 COMPOSITE (T-CG) (01) T1B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

PAGE 114

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 WITH BETA AT ALPHA = 0

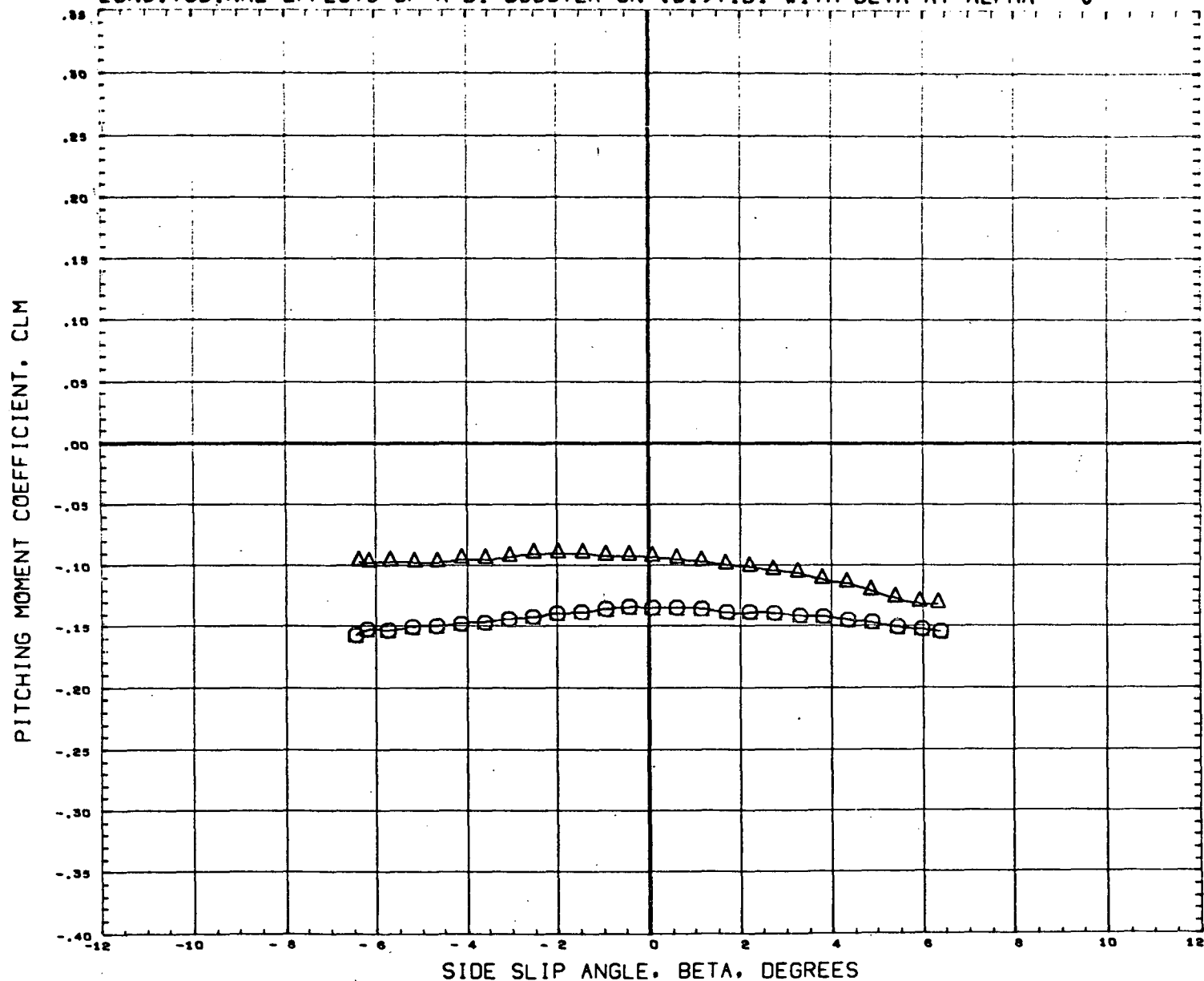


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07402)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07406)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XHRP	557.0004 IN.
						YHRP	0.0000 IN.
						ZHRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 115

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 WITH BETA AT ALPHA = 0



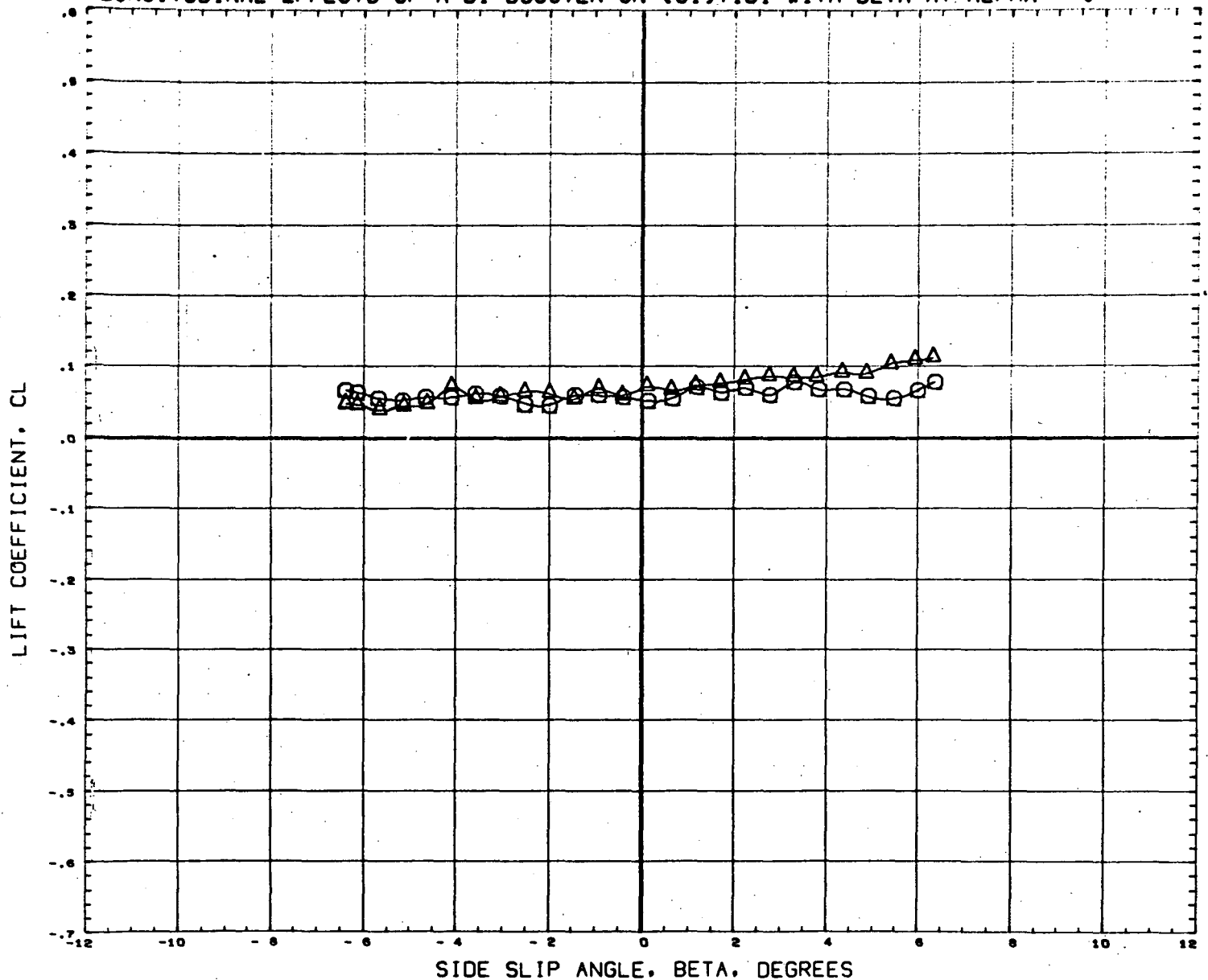
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7402)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7406)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH

1.09

PAGE 116

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T1B1 WITH BETA AT ALPHA = 0

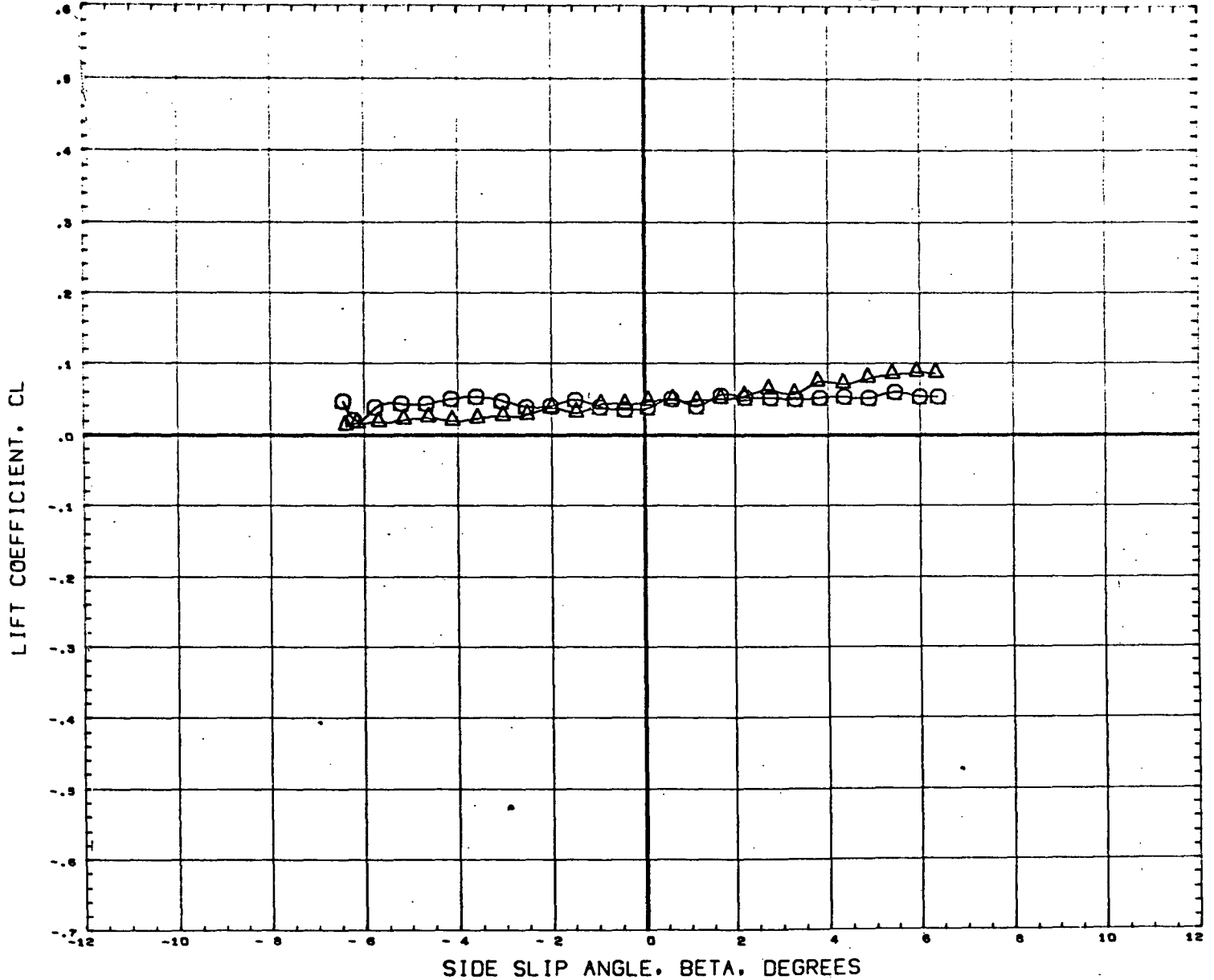




DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7402)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7406)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B1L(B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 117

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 WITH BETA AT ALPHA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7402) 	MDAC S-222 COMPOSITE(T-CG) (01)T1B1
(CD7406) 	MDAC S-222 COMPOSITE(T-CG) (01)T1B1L(B1R)

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	662.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH

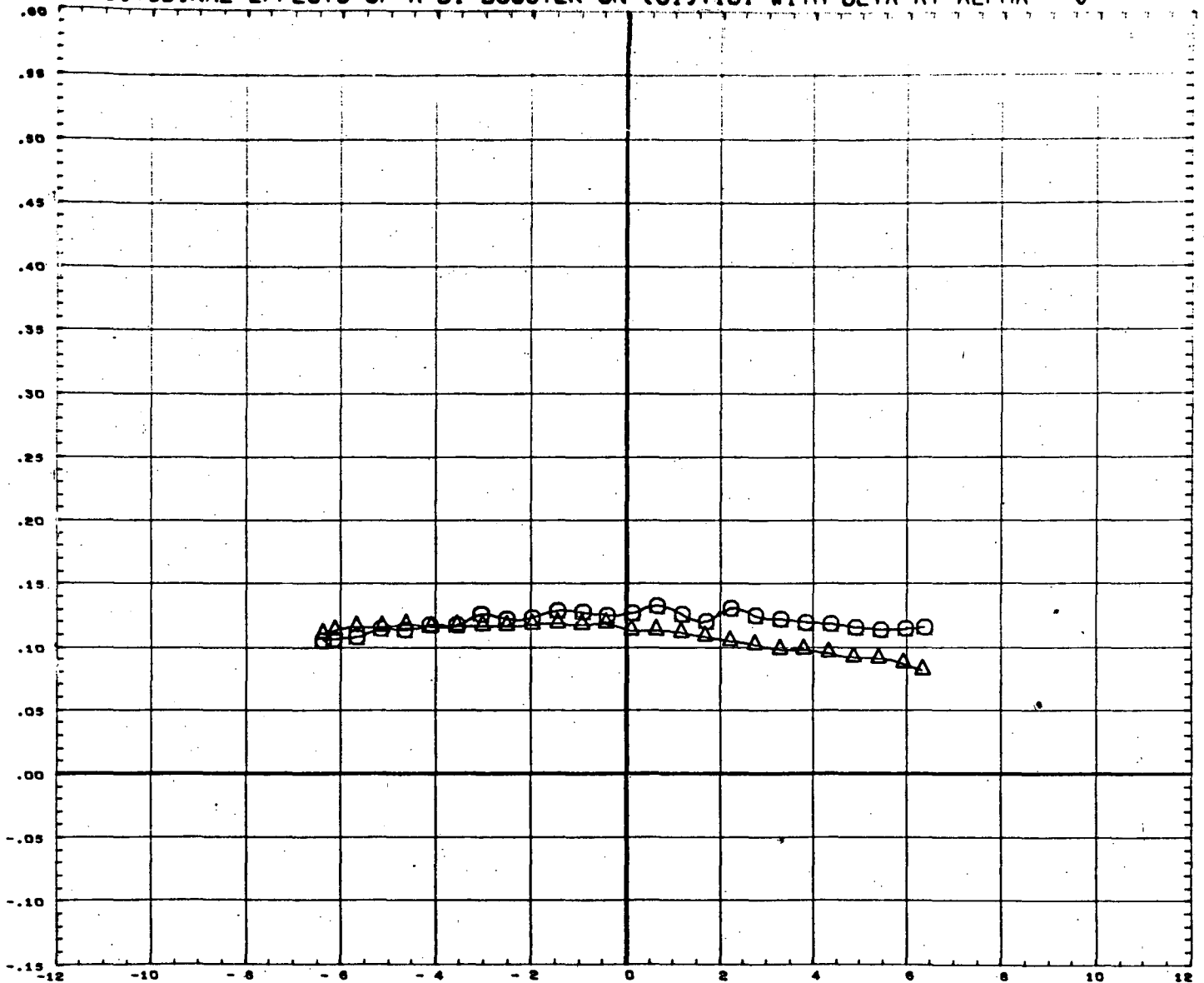
1.09

PAGE 118



# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T1B1 WITH BETA AT ALPHA = 0

FOREBODY DRAG COEFFICIENT, CDF



SIDE SLIP ANGLE, BETA, DEGREES

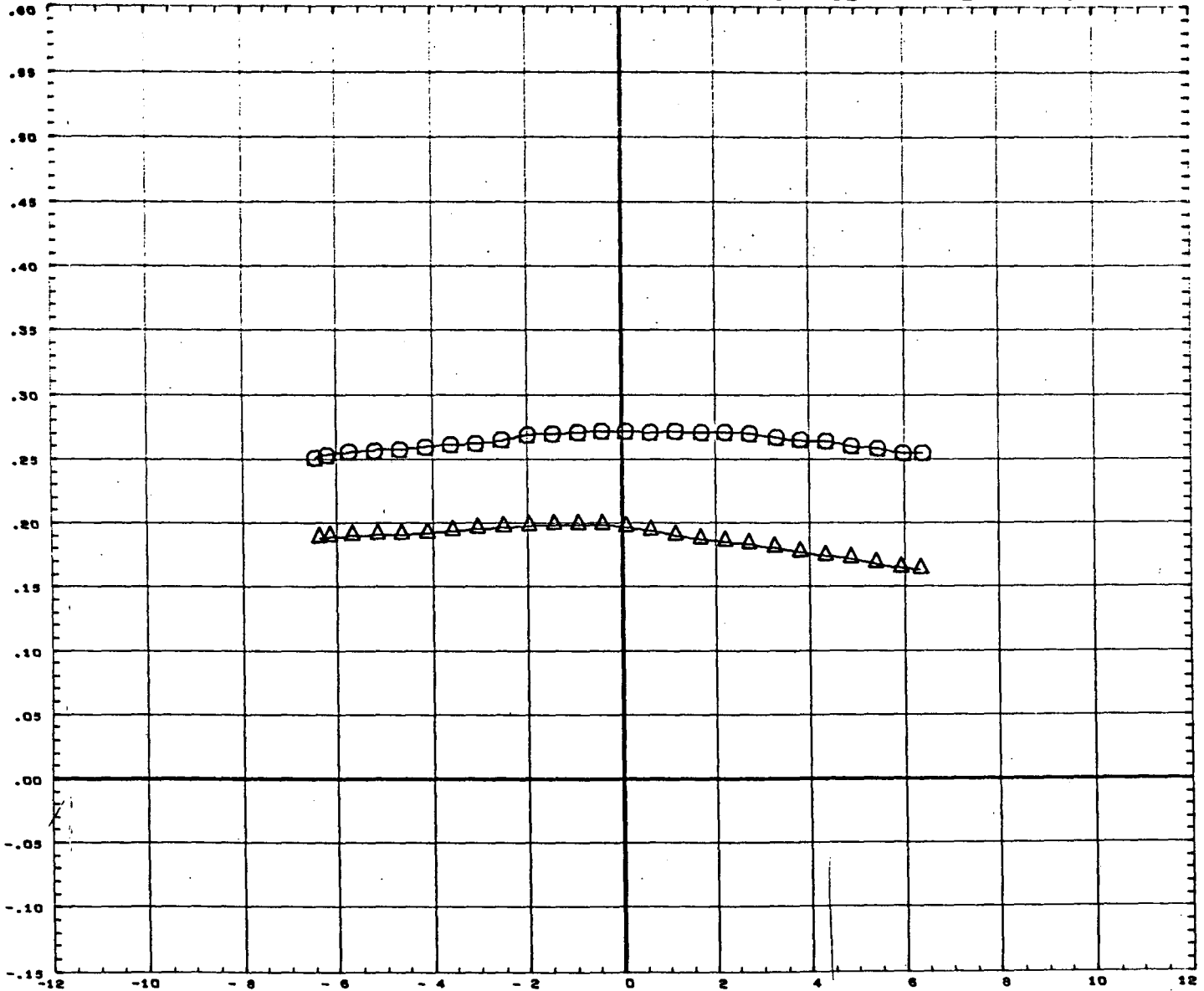
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07402)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07406)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.9004 IN.
						BREF	882.0004 IN.
						XMHP	557.0004 IN.
						YMHP	0.0000 IN.
						ZMHP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 119

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T1B1 WITH BETA AT ALPHA = 0

FOREBODY DRAG COEFFICIENT, CDF



SIDE SLIP ANGLE, BETA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C07402)  MDAC S-222 COMPOSITE(T-CG) (O1)T1B1  
(C07406)  MDAC S-222 COMPOSITE(T-CG) (O1)T1B1L(B1R)

ALPHA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

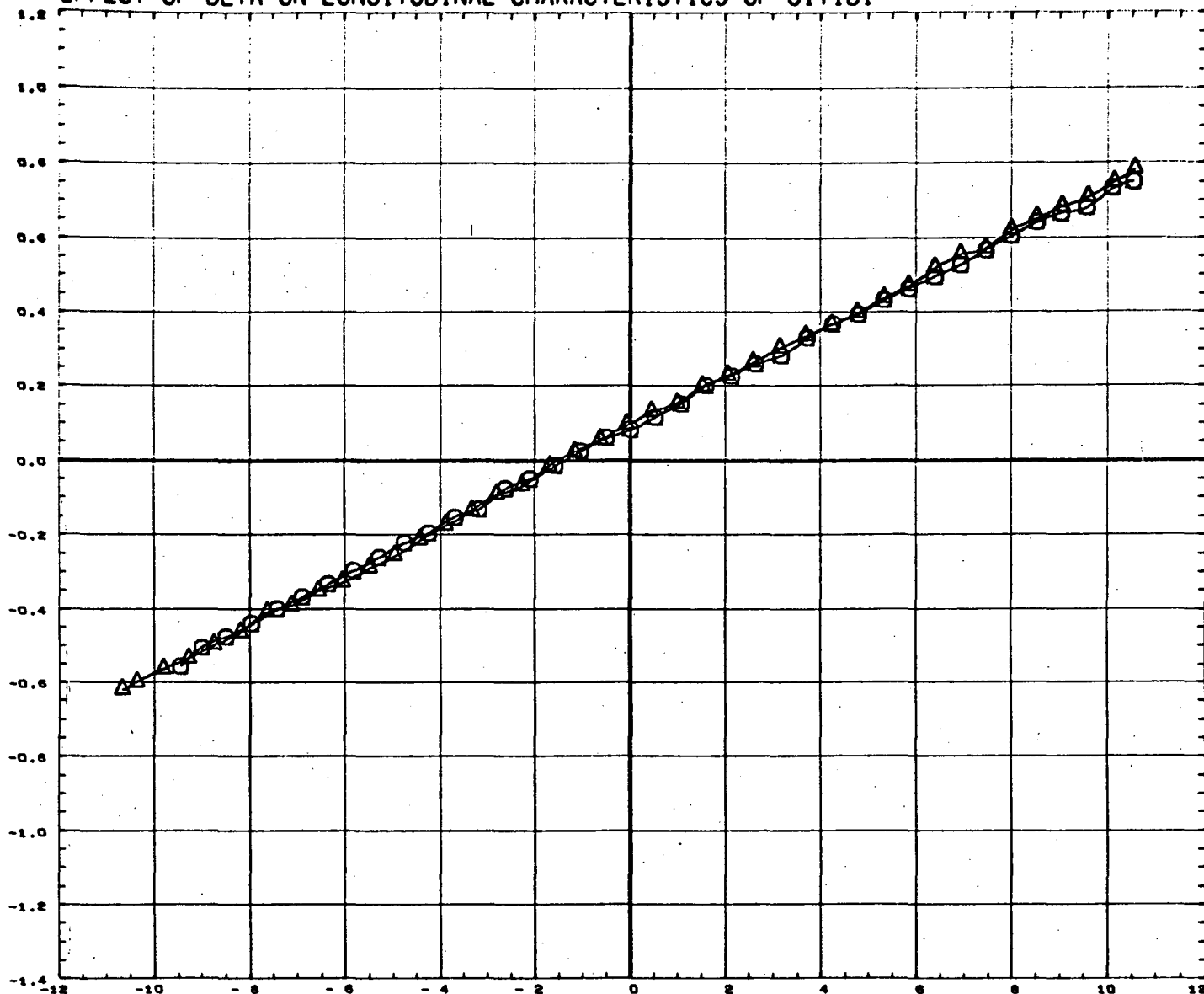
REFERENCE INFORMATION		
SREF	3155.3040	50. FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH 1.09

PAGE 120

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1

NORMAL FORCE COEFFICIENT, CN



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (C07501) MDAC S-222 COMPOSITE (T-CG) 01T1B1  
 (C07502) MDAC S-222 COMPOSITE (T-CG) 01T1B1

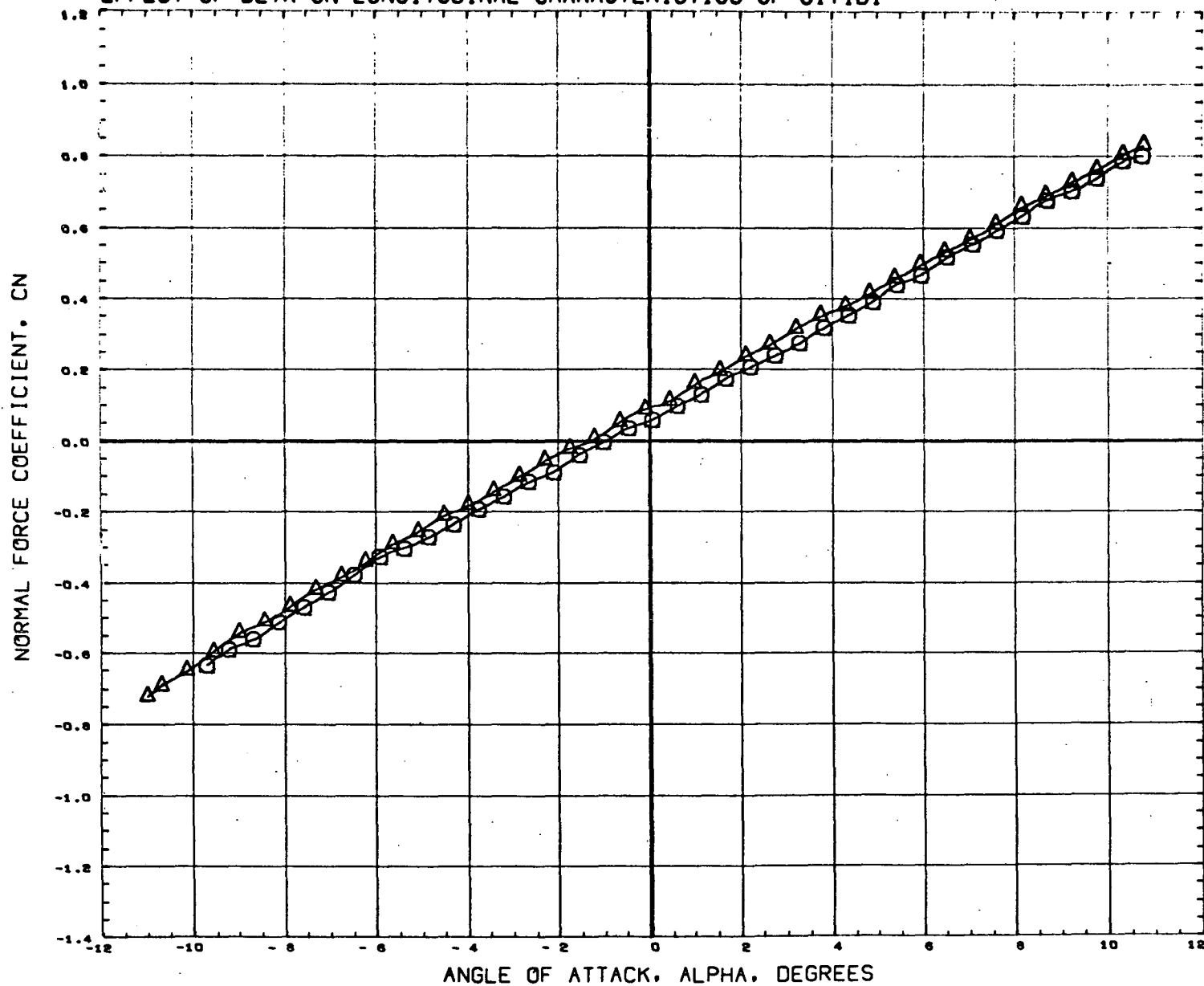
BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 6.000 0.000 0.000 0.000

REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 862.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH .56

PAGE 121

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(C07501)	MDAC S-222 COMPOSITE (T-CG) 01T1B1
(C07502)	MDAC S-222 COMPOSITE (T-CG) 01T1B1

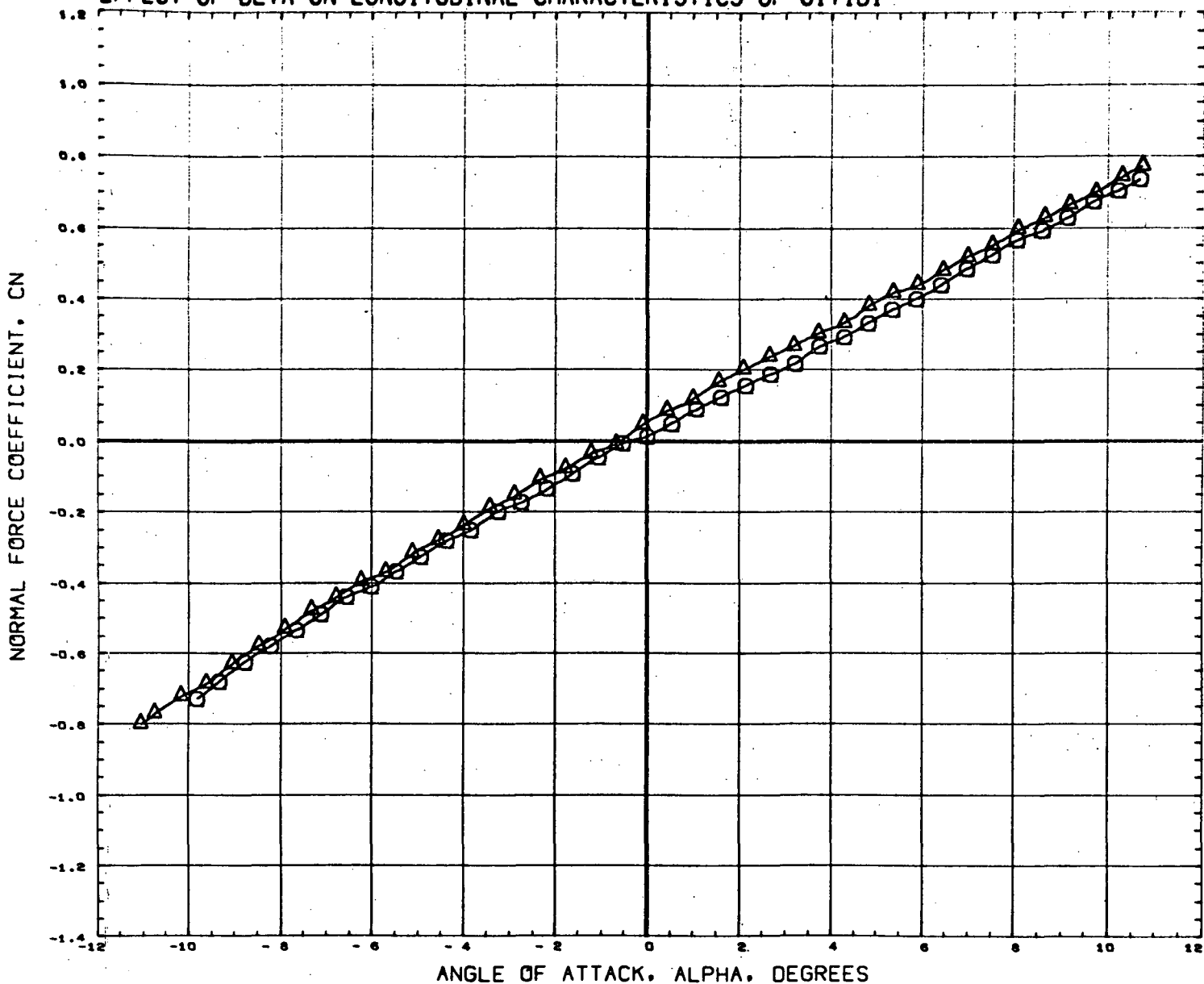
BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	682.0004	IN.
XMRP	957.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH .89

PAGE 122

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7501) MDAC S-222 COMPOSITE (T-CG) 01T1B1  
 (CD7502) MDAC S-222 COMPOSITE (T-CG) 01T1B1

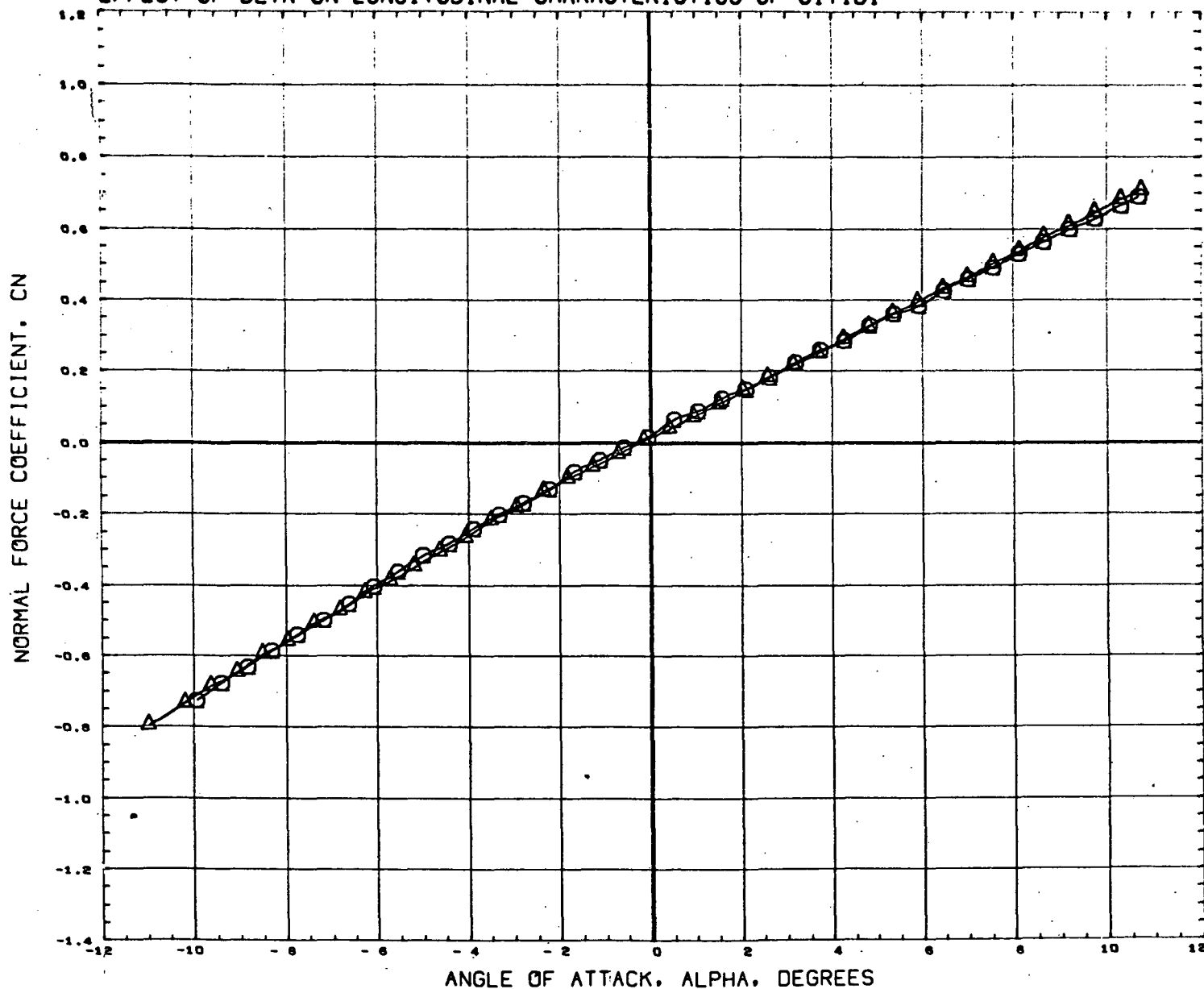
BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 6.000 0.000 0.000 0.000

REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 662.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH 1.09

PAGE 123

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B1



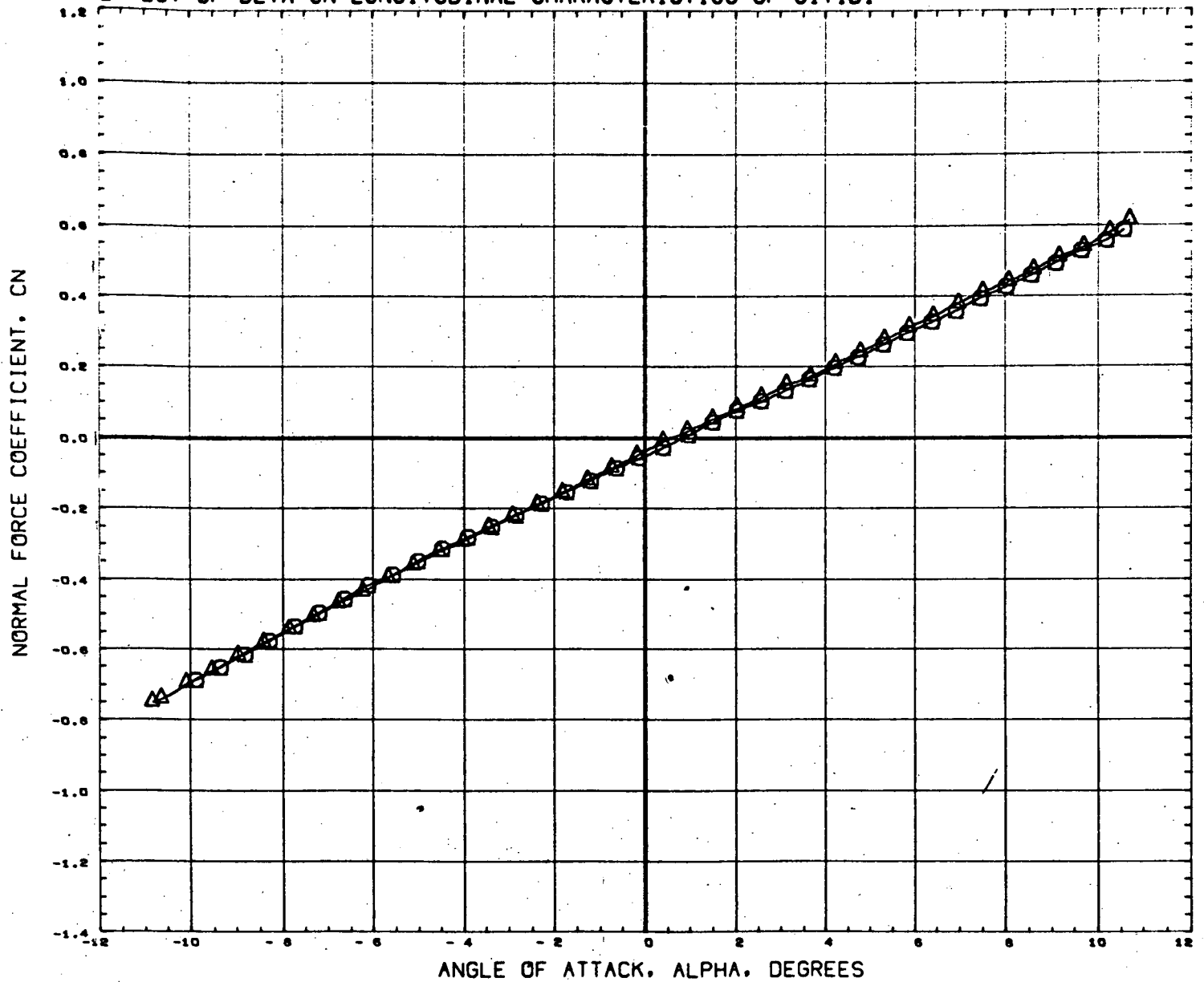
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(CD7501) ○ MDAC S-222 COMPOSITE(T-CG) 011B1  
(CD7502) △ MDAC S-222 COMPOSITE(T-CG) 011B1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	862.0004 IN.
				XMHP	557.0004 IN.
				YMHP	0.0000 IN.
				ZMHP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 124

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1

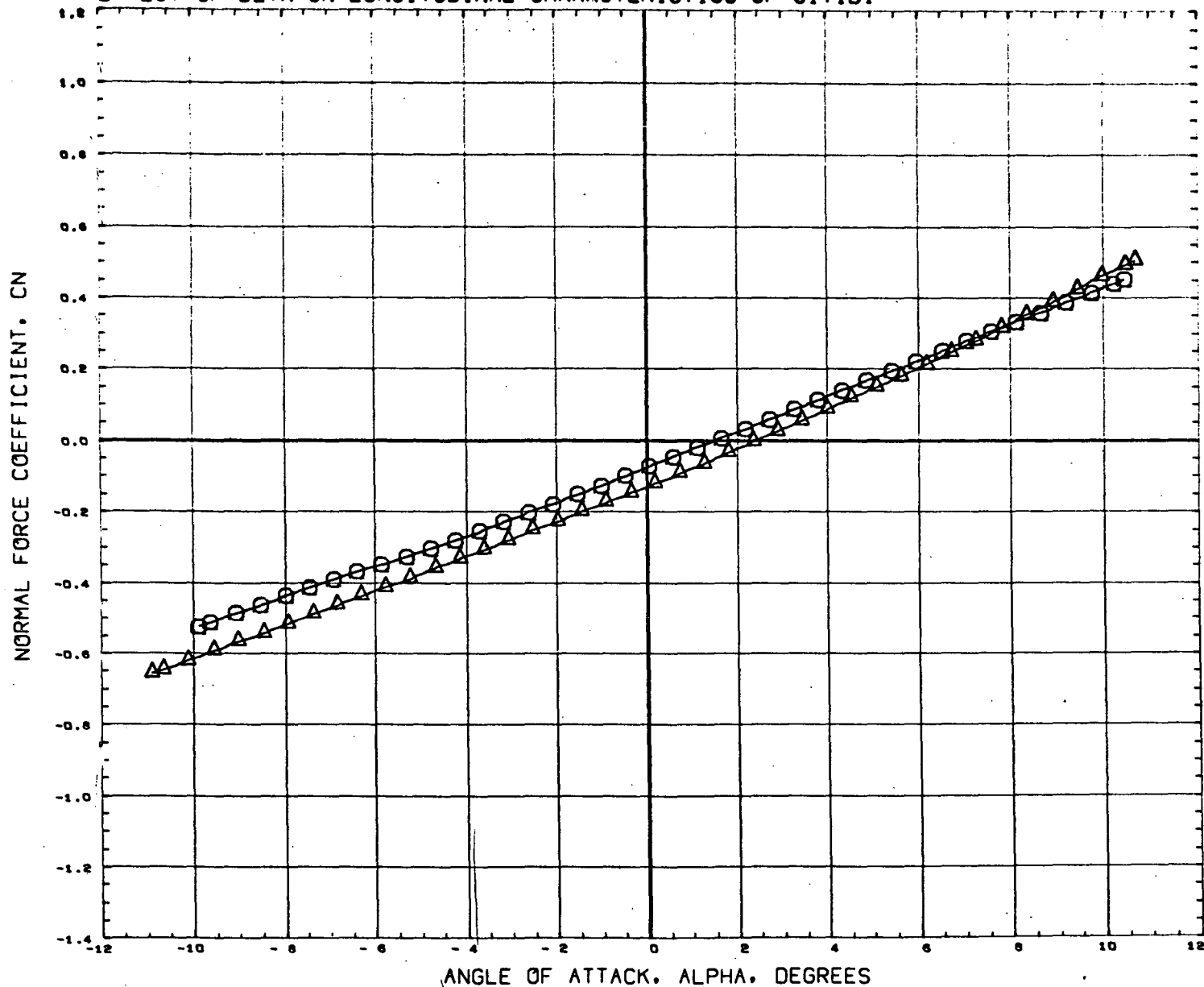


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7501)	MDAC S-222 COMPOSITE(T-CG) 01T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7502)	MDAC S-222 COMPOSITE(T-CG) 01T1B1	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	682.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 125

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7901) MDAC S-222 COMPOSITE (T-CG) 01T1B1  
 (CD7902) MDAC S-222 COMPOSITE (T-CG) 01T1B1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

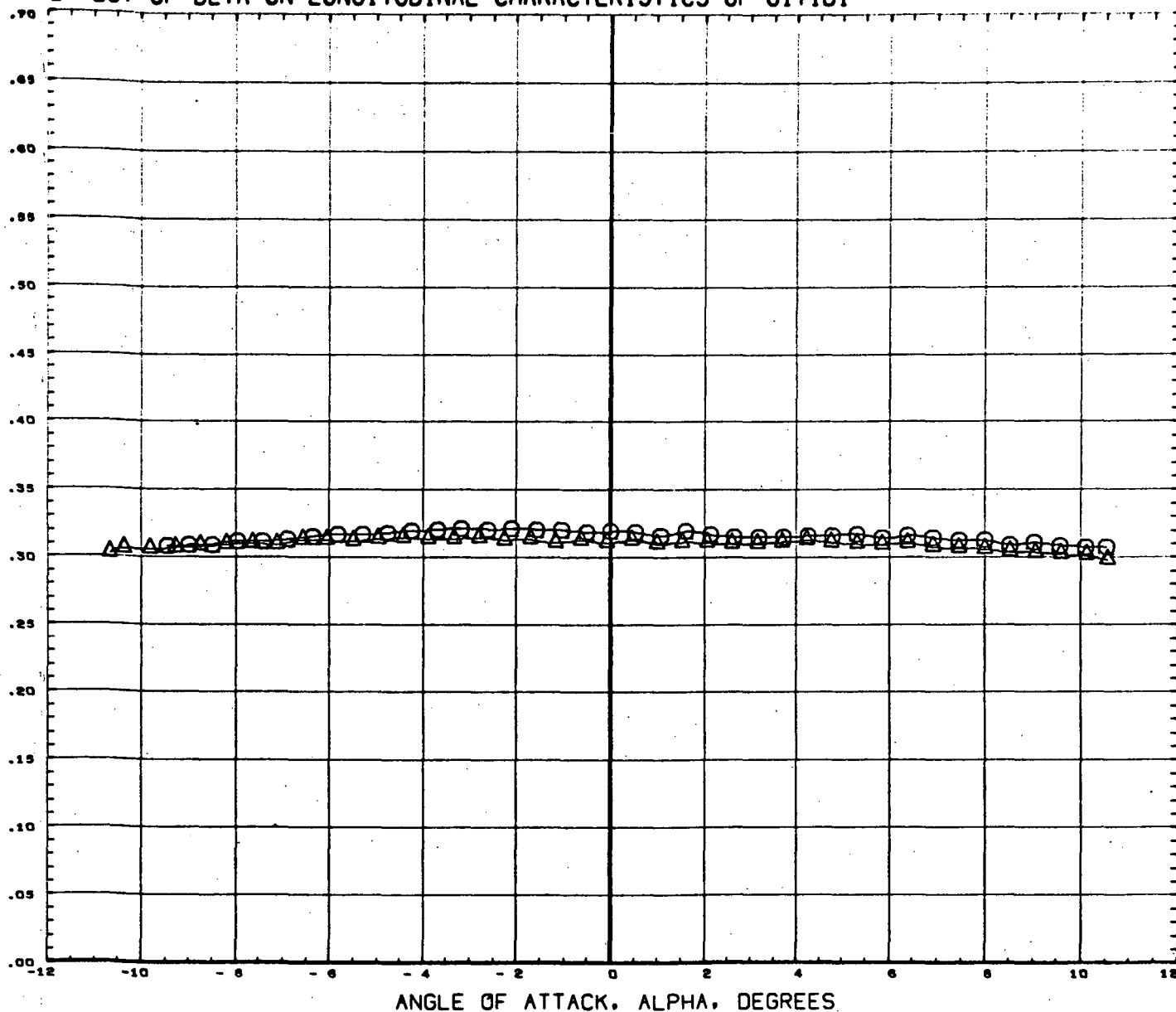
MACH 4.47

PAGE 126



# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T181

AXIAL FORCE COEFFICIENT, CA



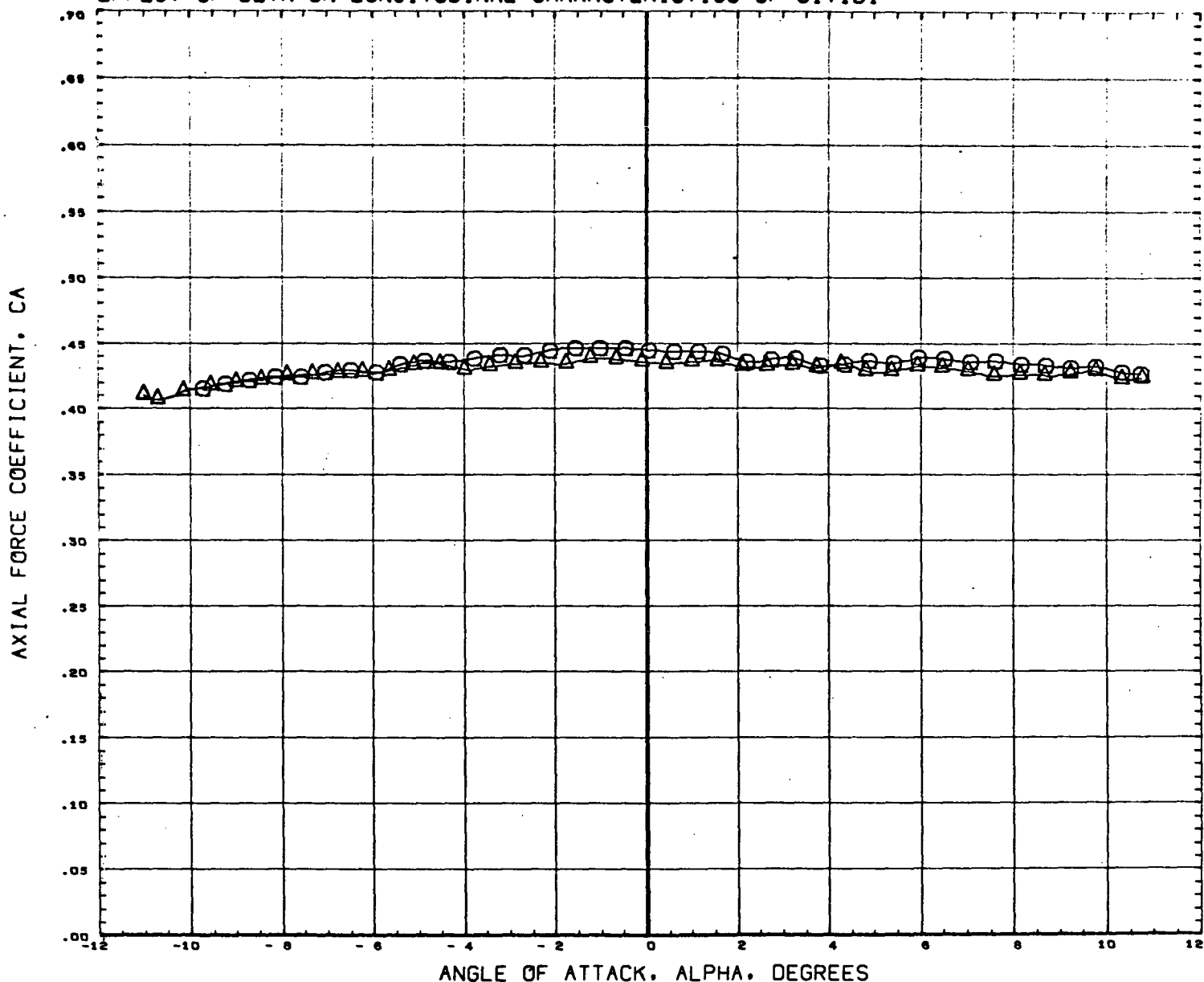
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7501)	MDAC S-222 COMPOSITE (T-CG) 01T181
(CD7502)	MDAC S-222 COMPOSITE (T-CG) 01T181

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3159.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF 609.5004 IN.
				BREF 662.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH .56

PAGE 127

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(CD7501) ○ MDAC S-222 COMPOSITE (T-C6) 01T1B1  
(CD7502) △ MDAC S-222 COMPOSITE (T-C6) 01T1B1

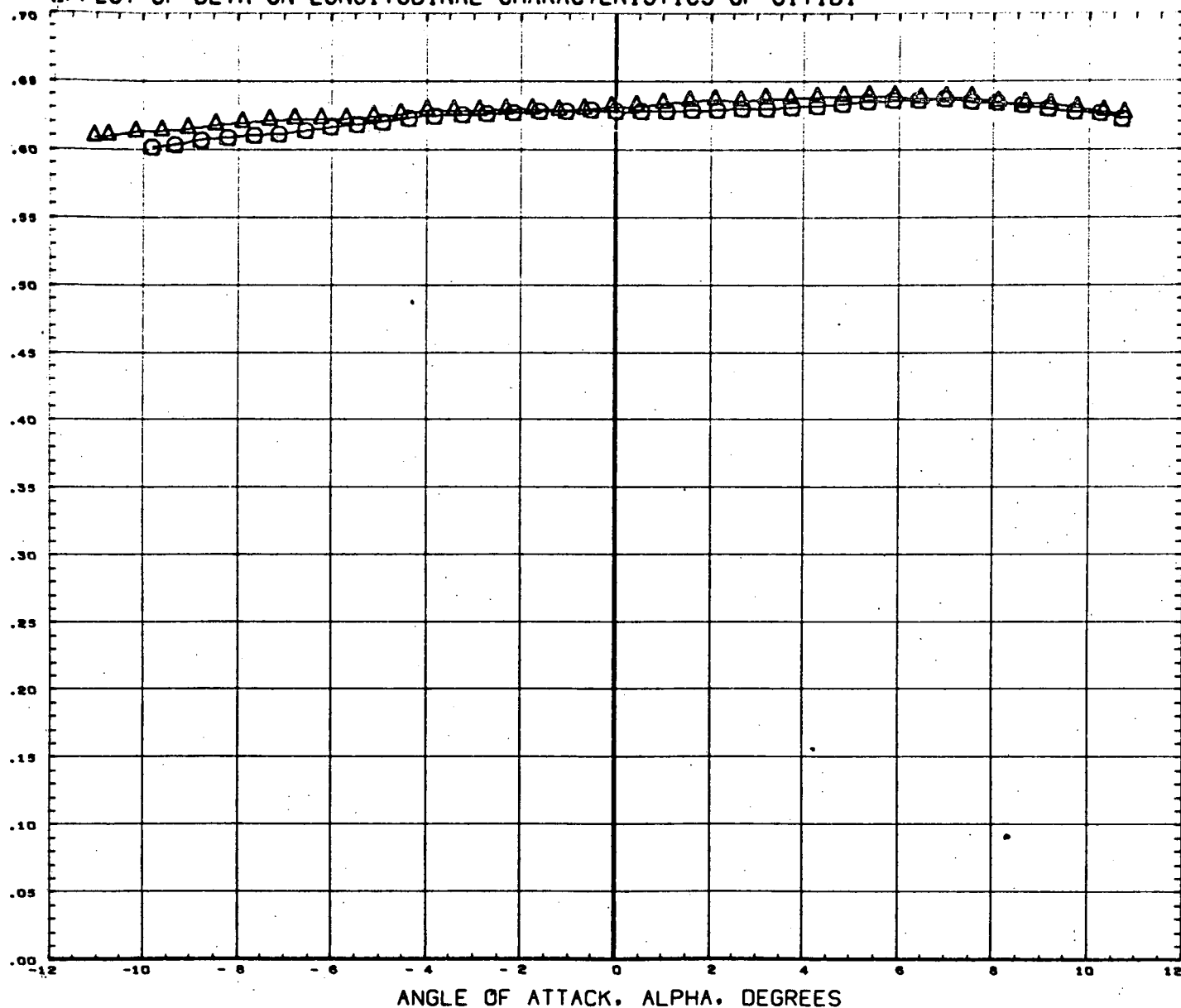
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	662.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

PAGE 128

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B1

AXIAL FORCE COEFFICIENT, CA



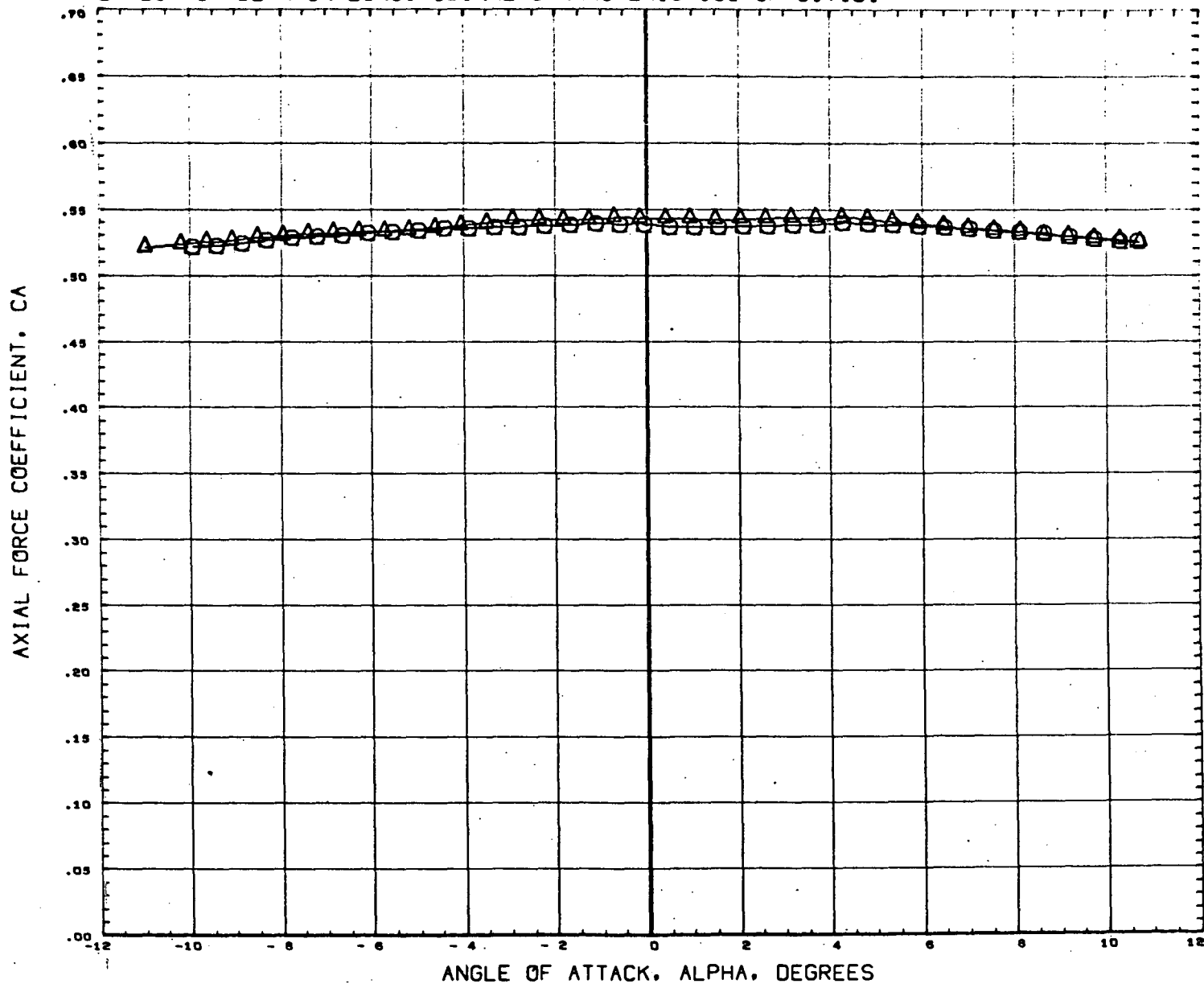
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7501) MDAC S-222 COMPOSITE (T-CG) 011B1  
 (CD7502) MDAC S-222 COMPOSITE (T-CG) 011B1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	682.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.09

PAGE 129

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1

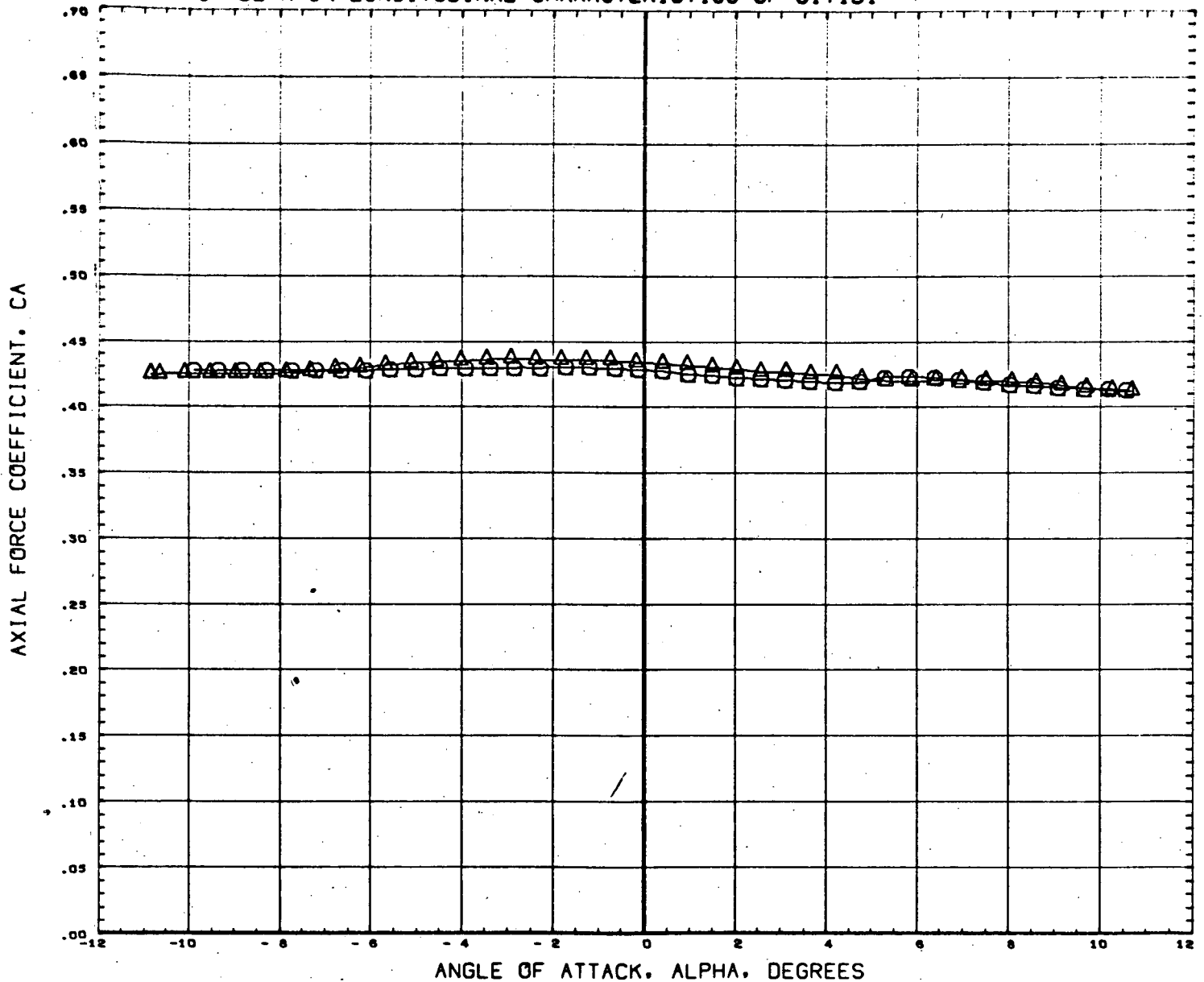




DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07501)	MDAC S-222 COMPOSITE (T-CG) 01T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07502)	MDAC S-222 COMPOSITE (T-CG) 01T1B1	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

PAGE 130

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1



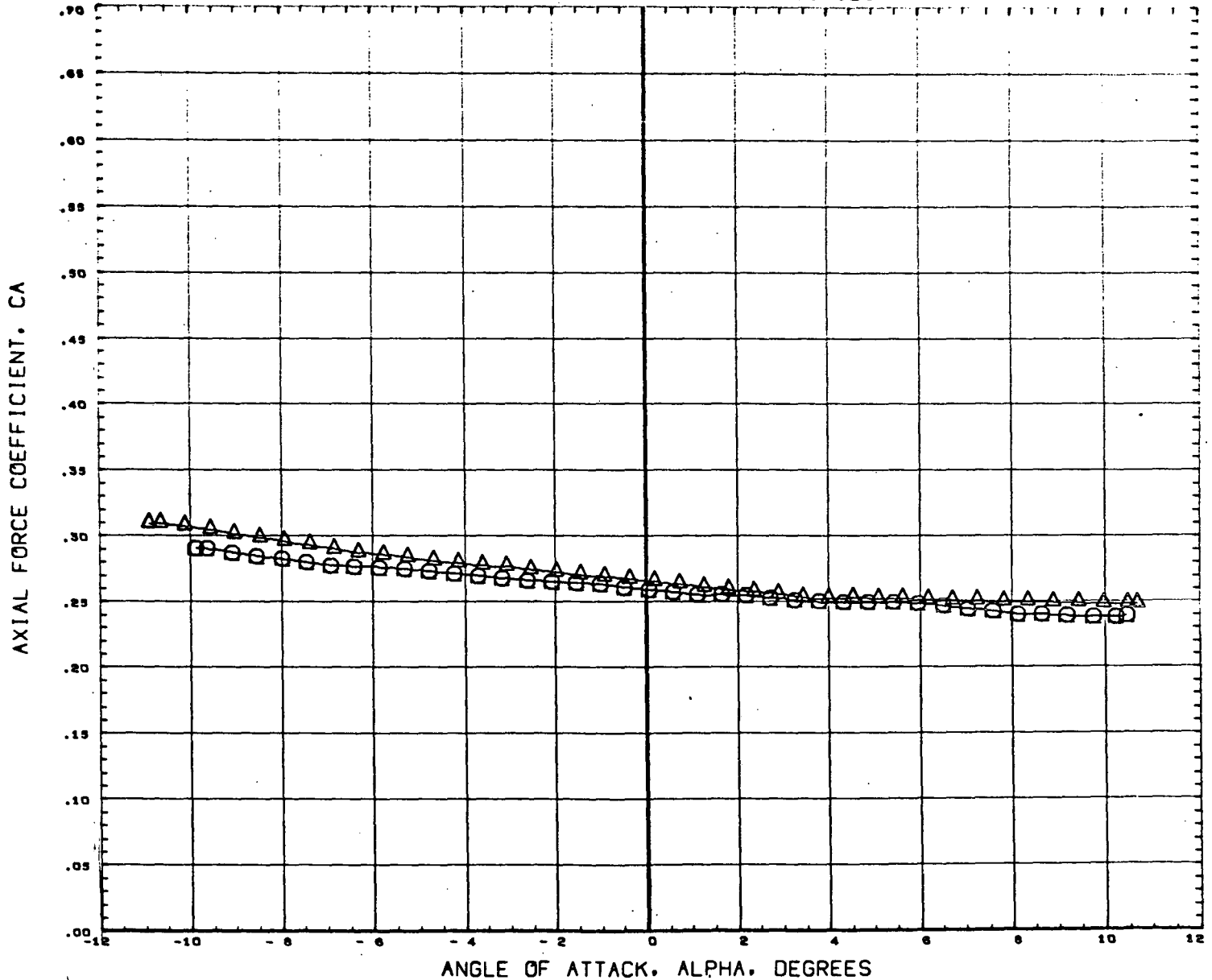
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7501)  MDAC S-222 COMPOSITE (T-CG) 01T1B1  
 (CD7502)  MDAC S-222 COMPOSITE (T-CG) 01T1B1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

PAGE 131

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B1

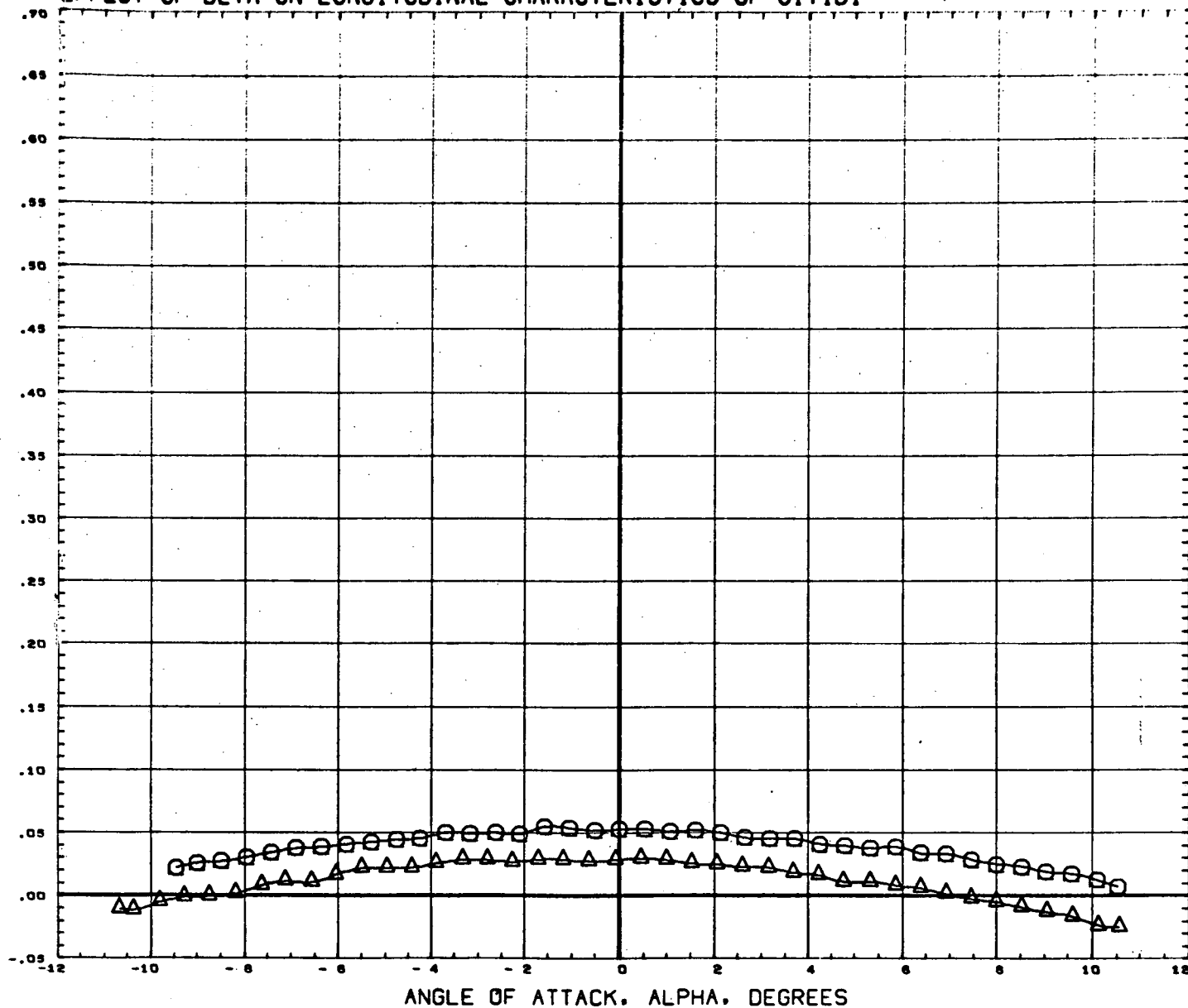


DATA SET SYMBOL      CONFIGURATION DESCRIPTION  
 (CD7501)      MDAC S-222 COMPOSITE(T-CG) 011B1  
 (CD7502)      MDAC S-222 COMPOSITE(T-CG) 011B1

BETA      ELEVTR      AILRON      RUDDER  
 0.000      0.000      0.000      0.000  
 6.000      0.000      0.000      0.000

REFERENCE INFORMATION  
 SREF      3155.3040      SQ.FT.  
 LREF      609.3004      IN.  
 BREF      682.0004      IN.  
 XMRP      557.0004      IN.  
 YMRP      0.0000      IN.  
 ZMRP      200.0004      IN.  
 SCALE      0.0060

## EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (C07501)  $\bigcirc$  MDAC S-222 COMPOSITE (T-CG) 01T1B1  
 (C07502)  $\triangle$  MDAC S-222 COMPOSITE (T-CG) 01T1B1

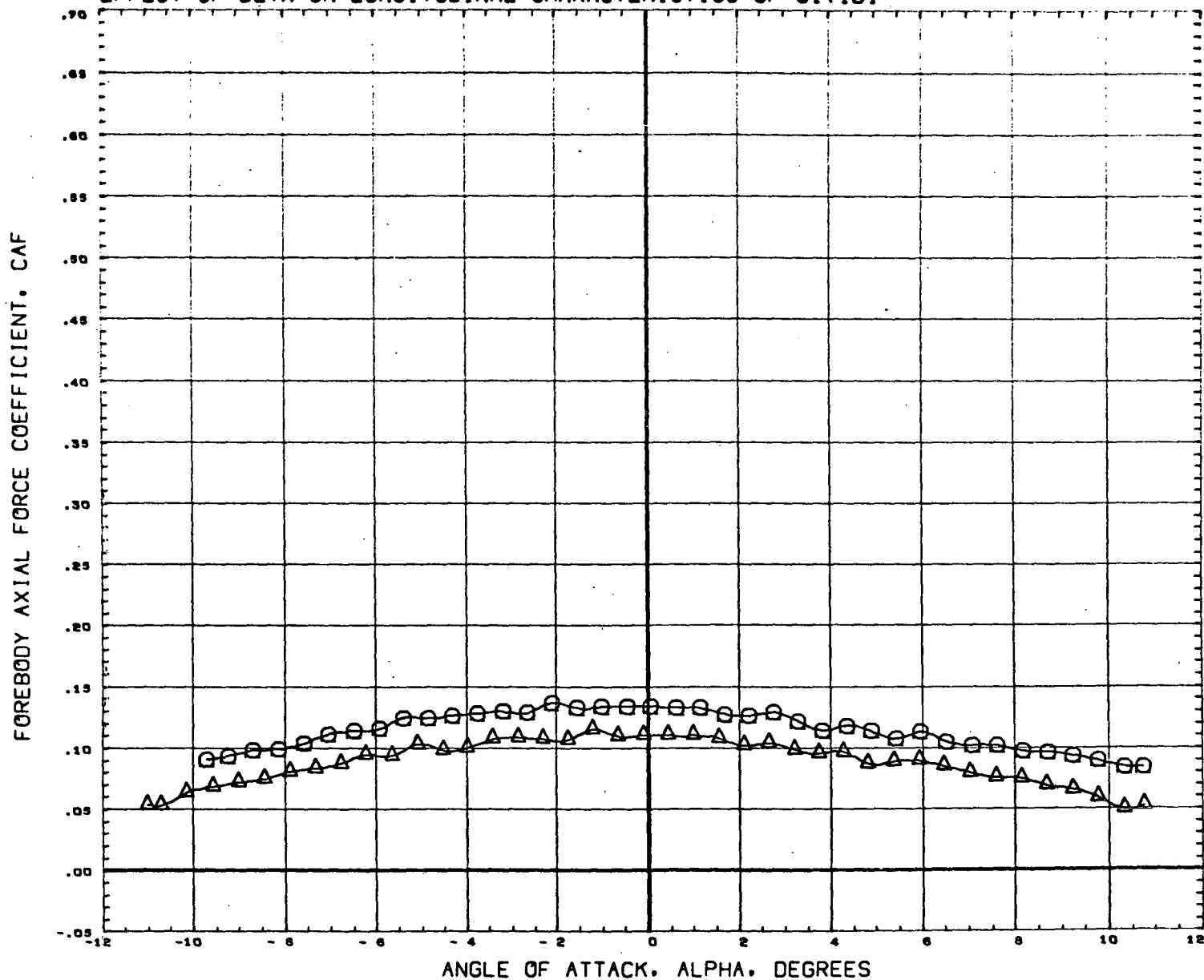
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	337.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH

.56

PAGE 133

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B1



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7501) MDAC S-222 COMPOSITE (T-CG) 011B1  
 (CD7502) MDAC S-222 COMPOSITE (T-CG) 011B1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				SREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

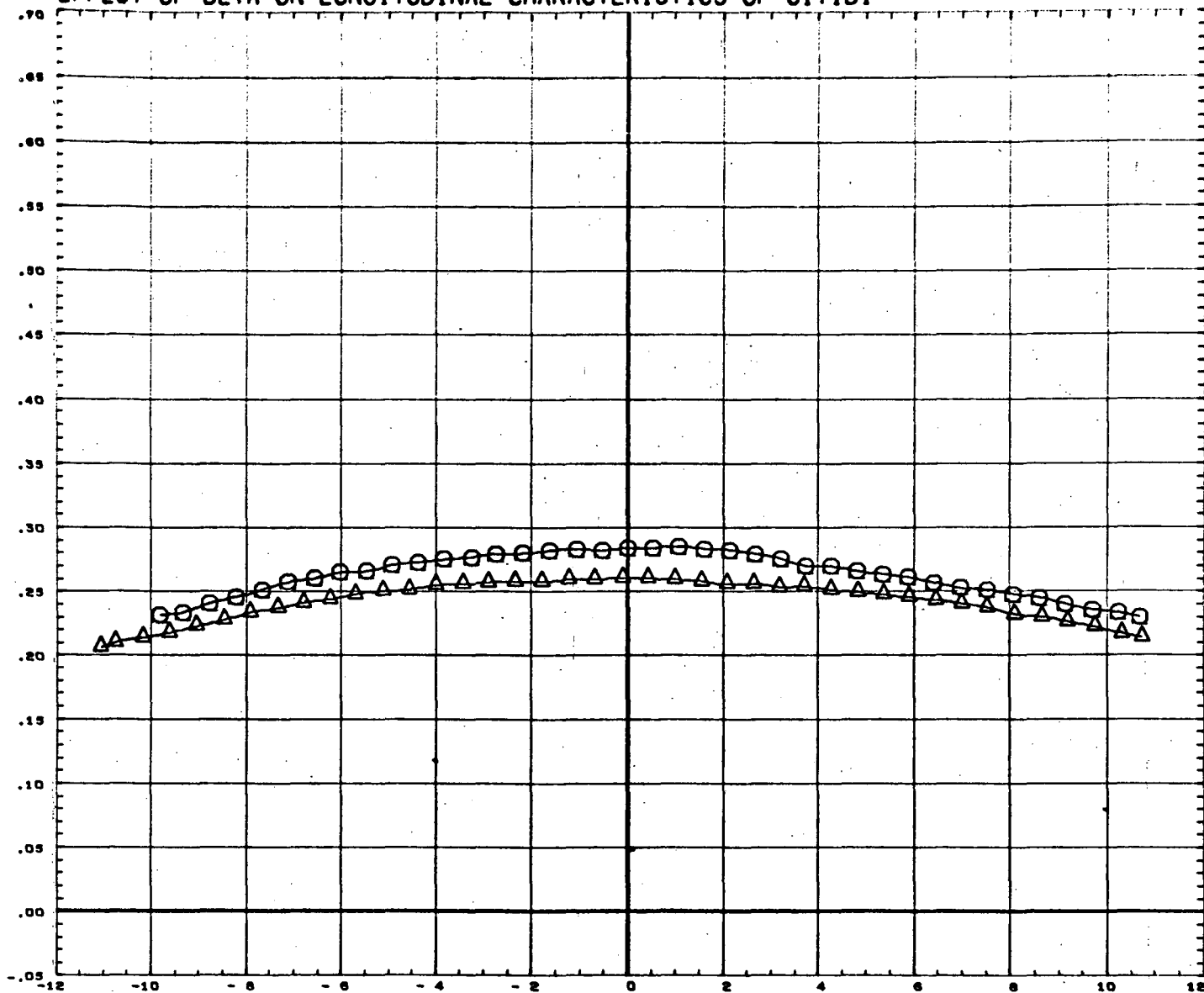
MACH .89

PAGE 134



# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B1

FOREBODY AXIAL FORCE COEFFICIENT, CAF



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7501) MDAC S-222 COMPOSITE (T-CG) 011B1  
 (CD7502) MDAC S-222 COMPOSITE (T-CG) 011B1

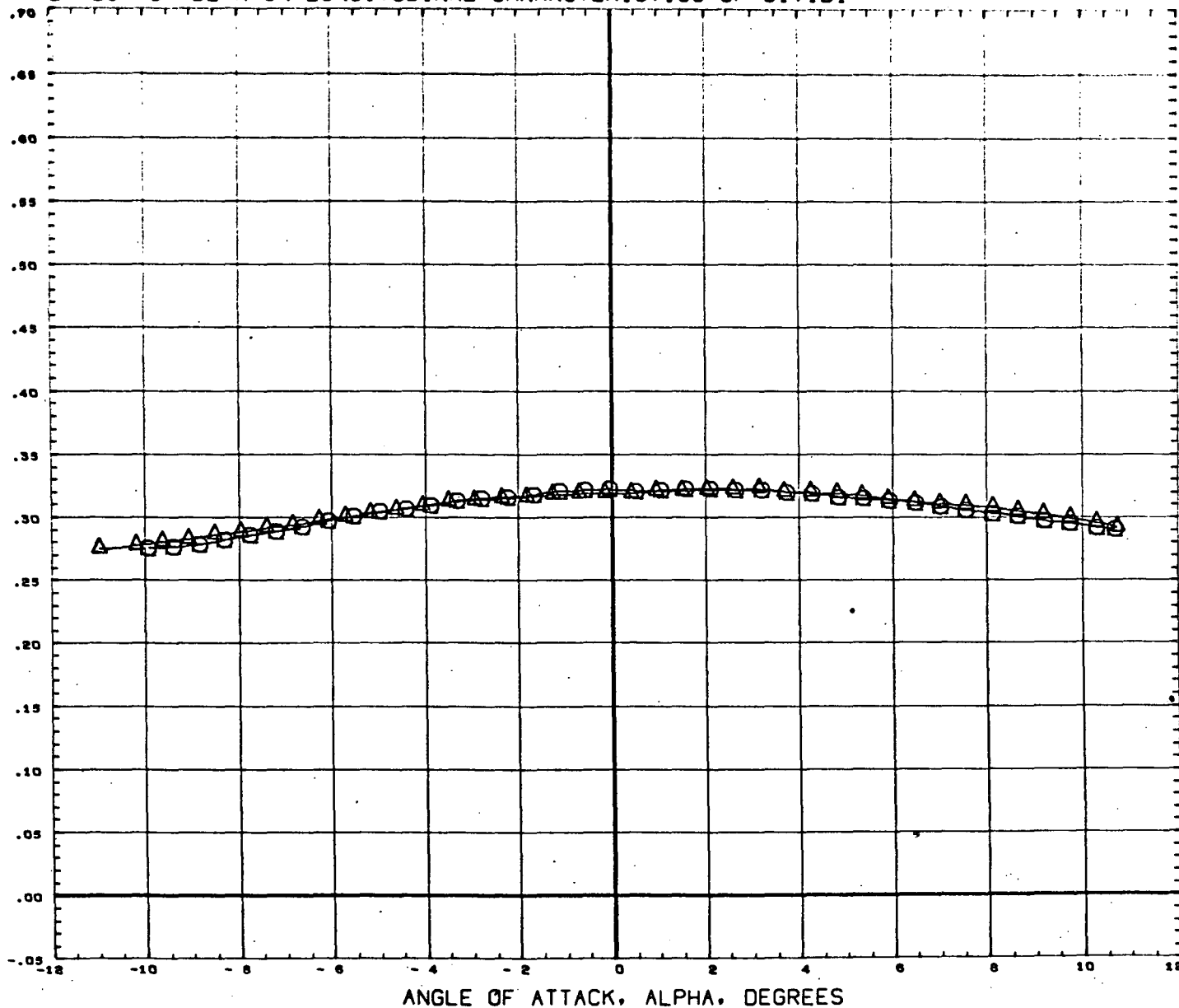
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060



MACH 1.09

PAGE 135

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B1

FOREBODY AXIAL FORCE COEFFICIENT, CAF



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7501)  MDAC S-222 COMPOSITE (T-CG) 011B1  
 (CD7502)  MDAC S-222 COMPOSITE (T-CG) 011B1

BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 6.000 0.000 0.000 0.000

REFERENCE INFORMATION  
 SREF 3155.3040 SQ. FT.  
 LREF 609.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 537.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

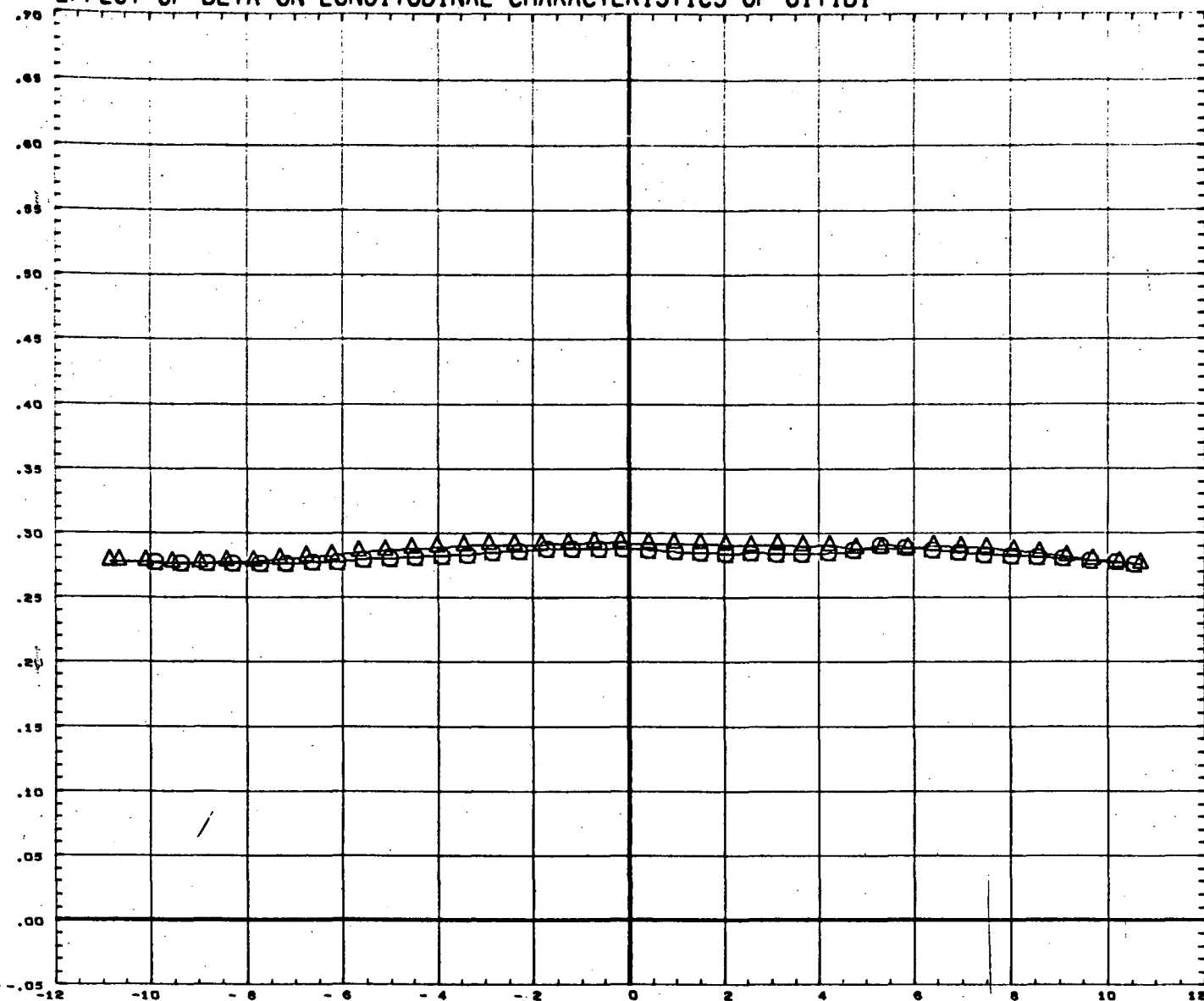
MACH

1.51



PAGE 136

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1

FOREBODY AXIAL FORCE COEFFICIENT, CAF



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7501)  MDAC S-222 COMPOSITE (T-CG) 01T1B1  
 (CD7502)  MDAC S-222 COMPOSITE (T-CG) 01T1B1

BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 8.000 0.000 0.000 0.000

REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

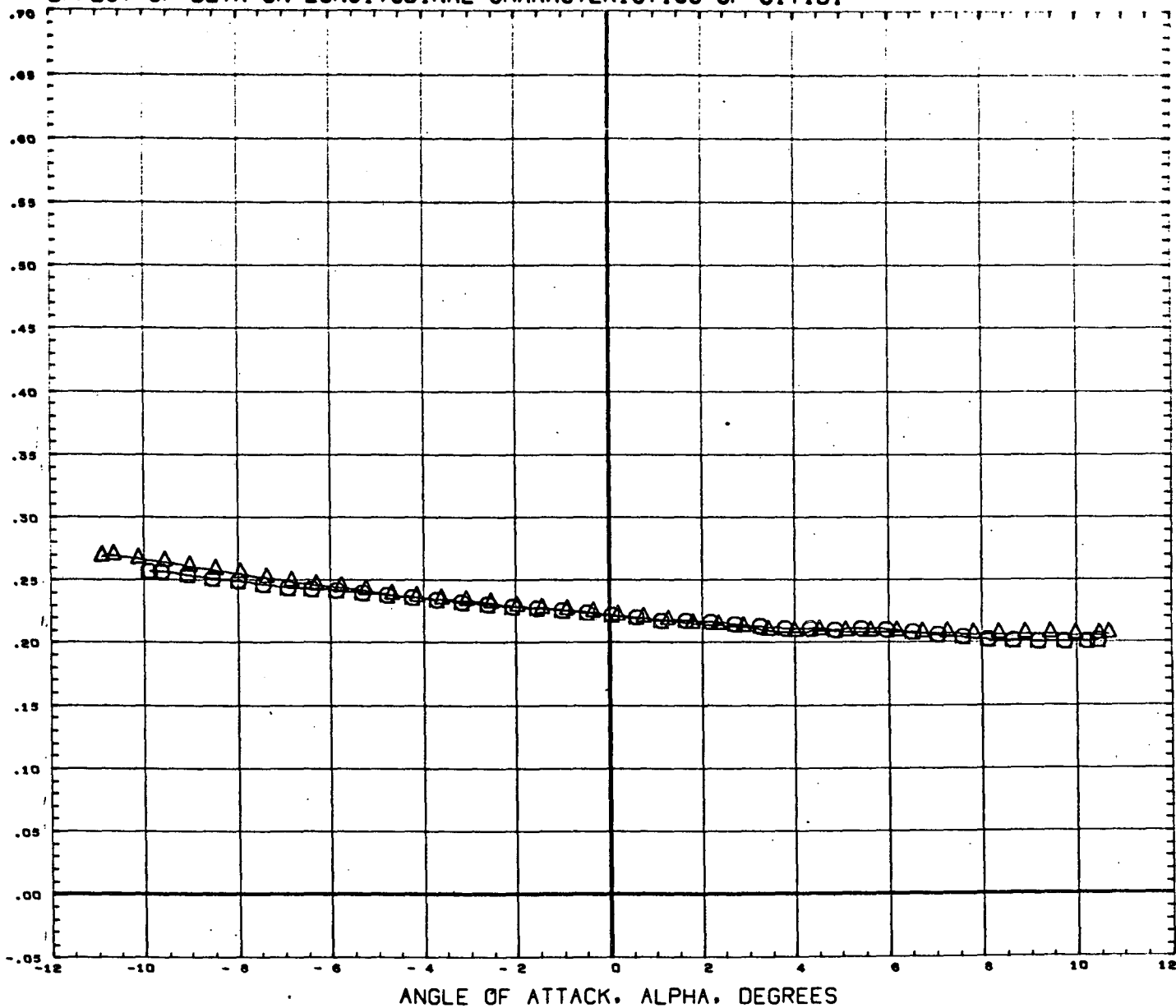
MACH

2.20

PAGE 137

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1

FOREBODY AXIAL FORCE COEFFICIENT, CAF



DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
(CD7501)    ○    MDAC S-222 COMPOSITE(T-CG) 01T1B1  
(CD7502)    △    MDAC S-222 COMPOSITE(T-CG) 01T1B1

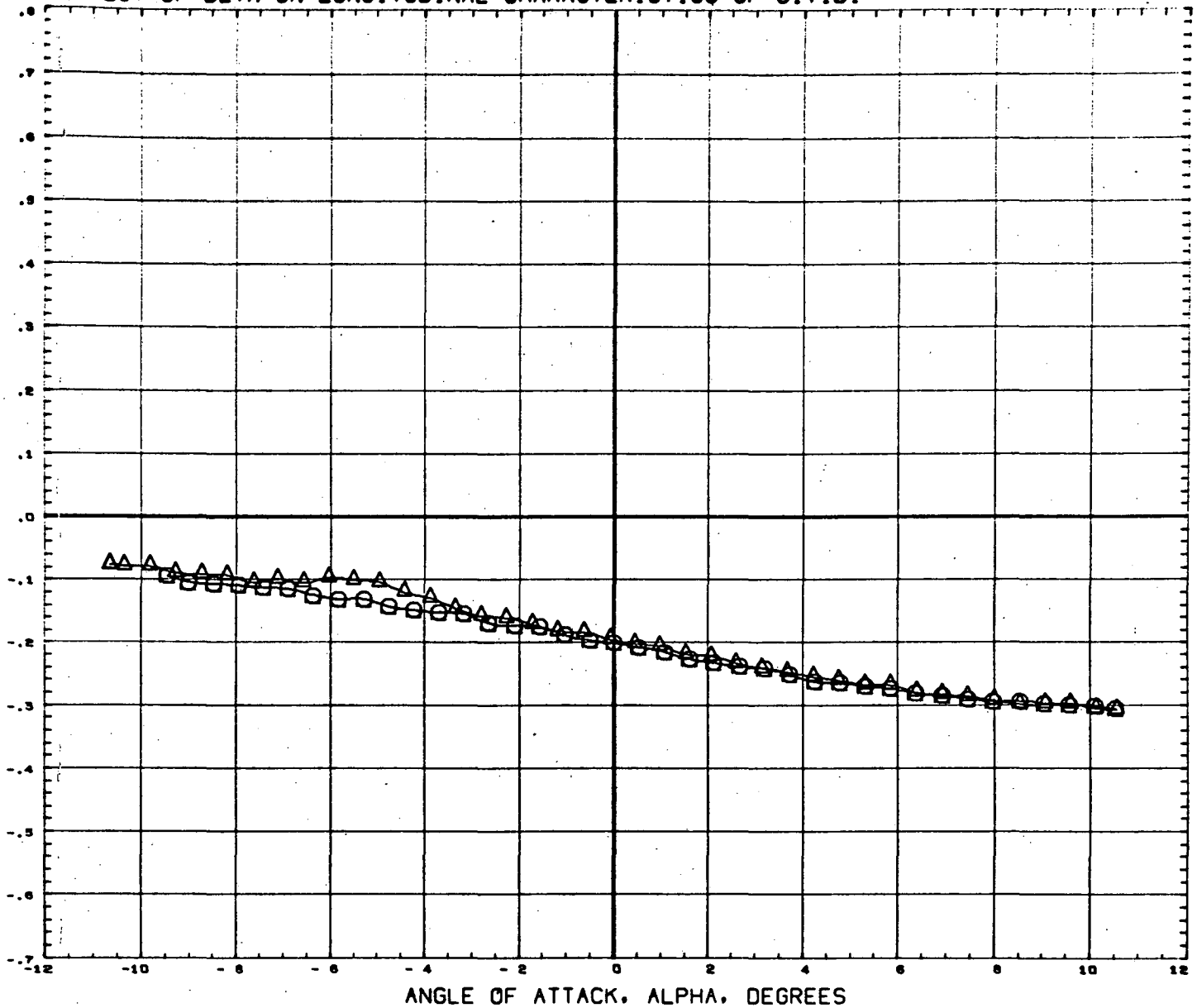
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	809.5004 IN.
				BREF	882.0004 IN.
				XMRF	537.0004 IN.
				YMRF	0.0000 IN.
				ZMRF	200.0004 IN.
				SCALE	0.0060

MACH            4.47

PAGE    138

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1

PITCHING MOMENT COEFFICIENT, CLM



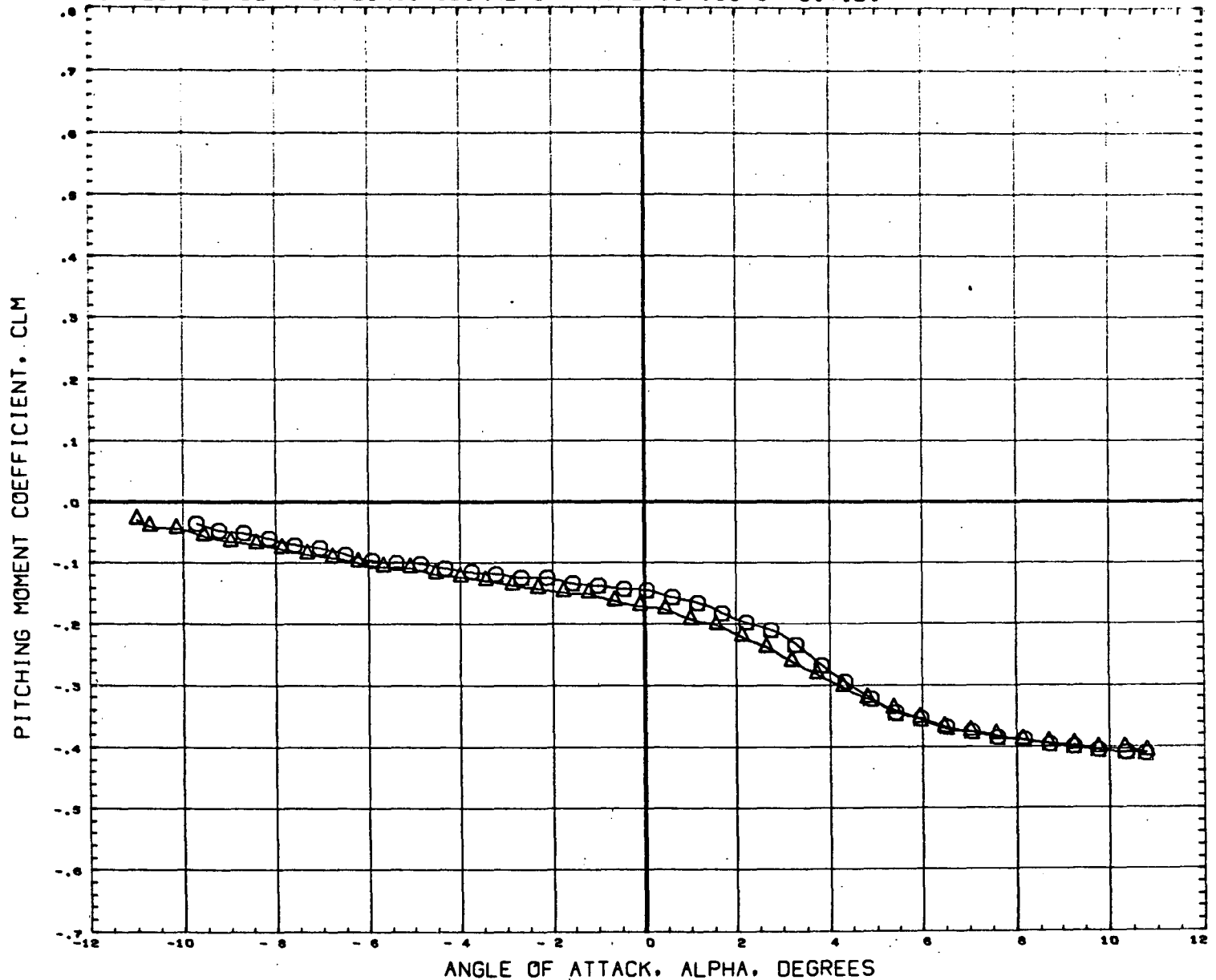
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7501) MDAC S-222 COMPOSITE (T-CG) 01T1B1  
 (CD7502) MDAC S-222 COMPOSITE (T-CG) 01T1B1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .56

PAGE 139

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B1



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(CD7501) MDAC S-222 COMPOSITE (T-CG) 011B1  
(CD7502) MDAC S-222 COMPOSITE (T-CG) 011B1

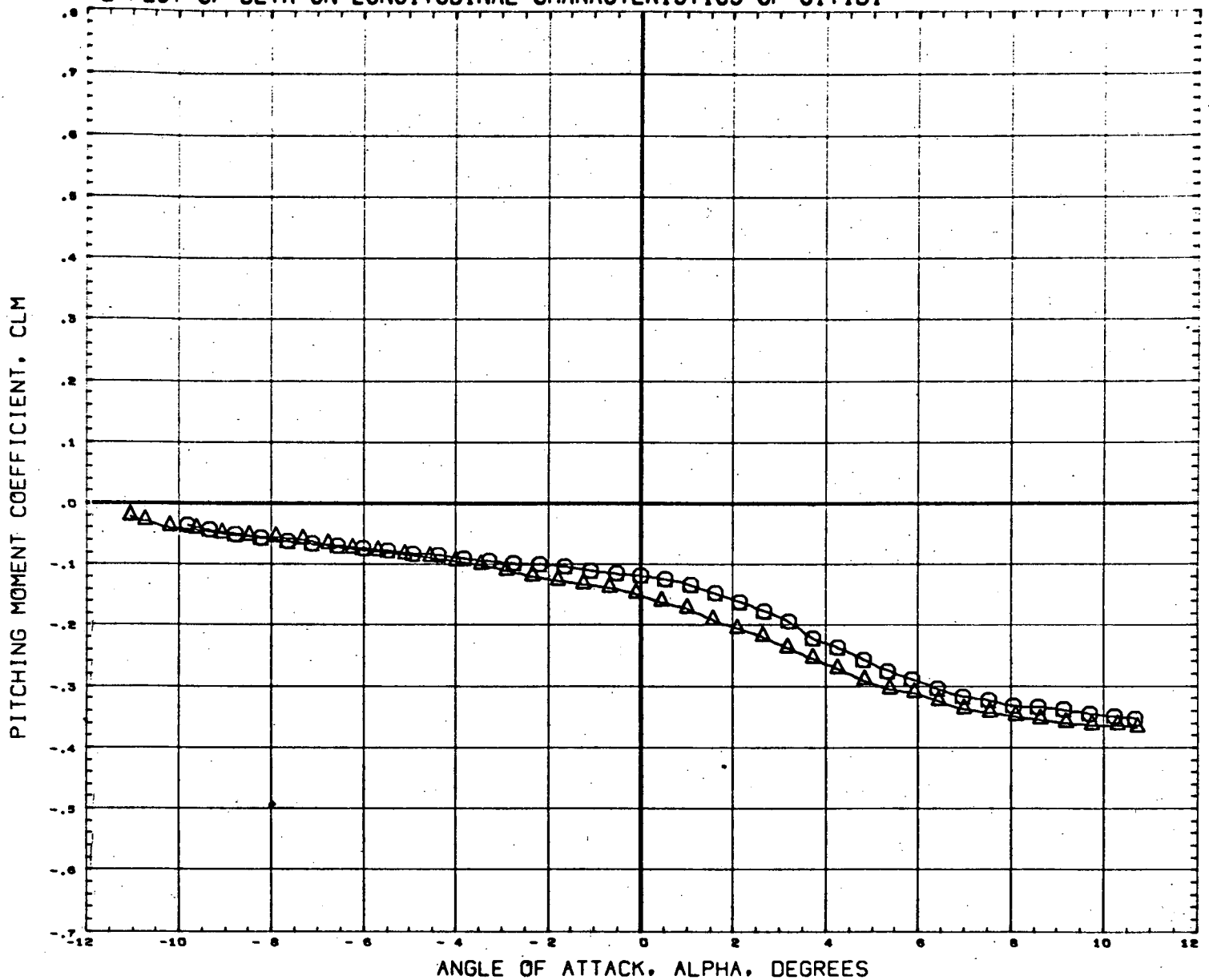
BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH .89

PAGE 140

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(CD7501) MDAC S-222 COMPOSITE (T-CG) 01T1B1  
(CD7502) MDAC S-222 COMPOSITE (T-CG) 01T1B1

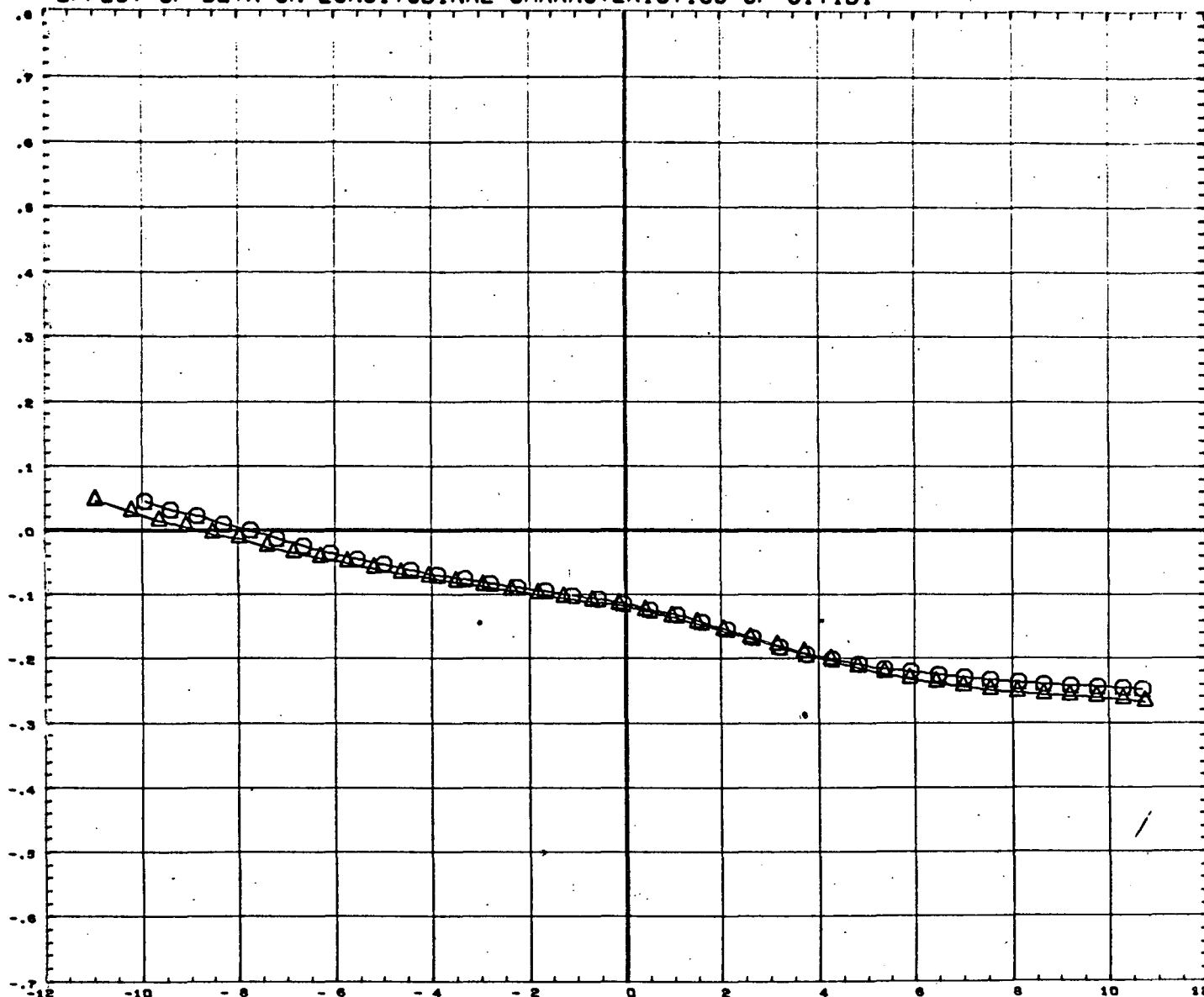
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	682.0004 IN.
				XMRF	557.0004 IN.
				YMRF	0.0000 IN.
				ZMRF	200.0004 IN.
				SCALE	0.0060

MACH 1.09

PAGE 141

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1

PITCHING MOMENT COEFFICIENT, CLM



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7501)	MDAC S-222 COMPOSITE(T-C6) 01T1B1
(CD7502)	MDAC S-222 COMPOSITE(T-C6) 01T1B1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

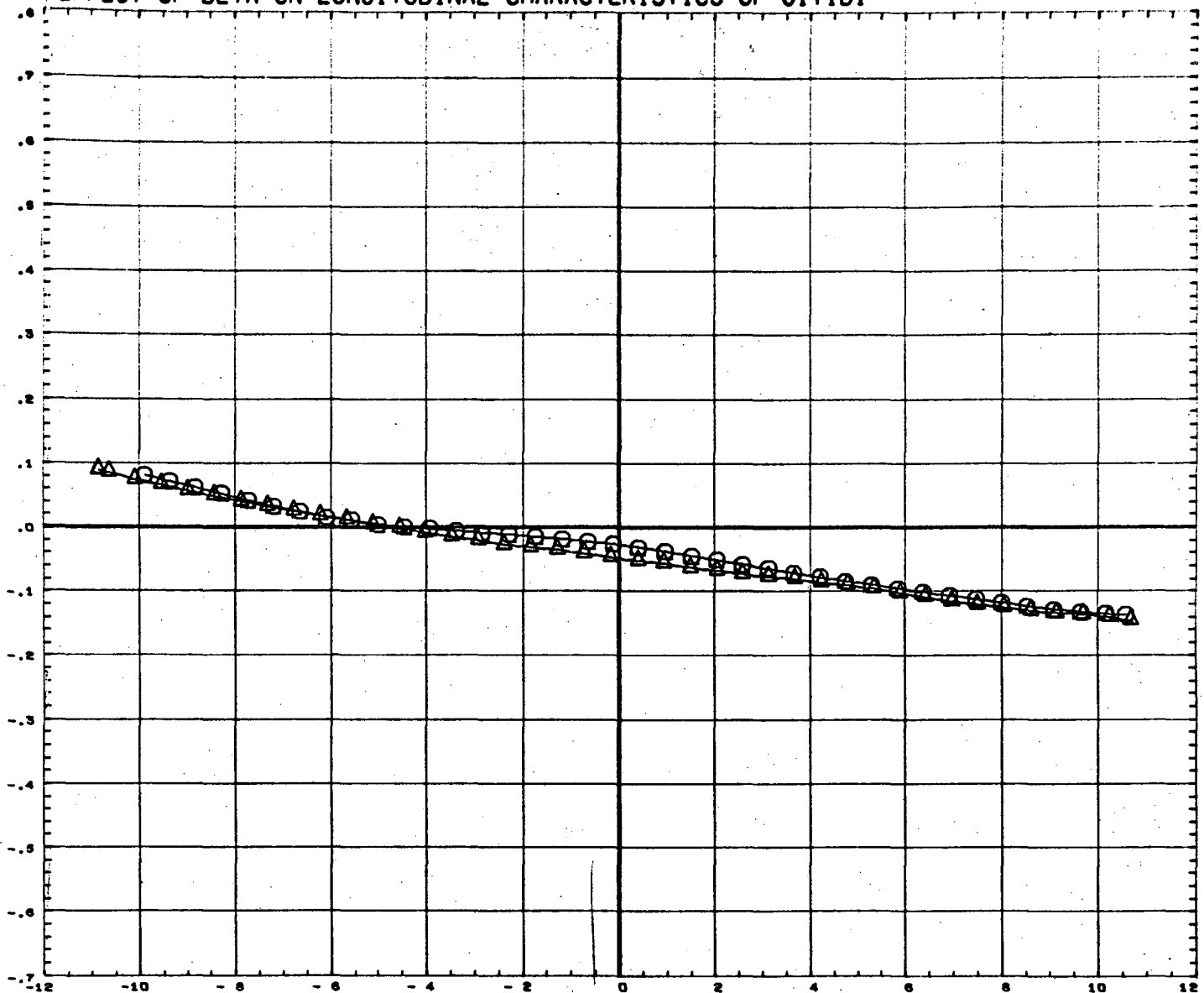
MACH 1.51

PAGE 142



# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1

PITCHING MOMENT COEFFICIENT, CLM



ANGLE OF ATTACK, ALPHA, DEGREES

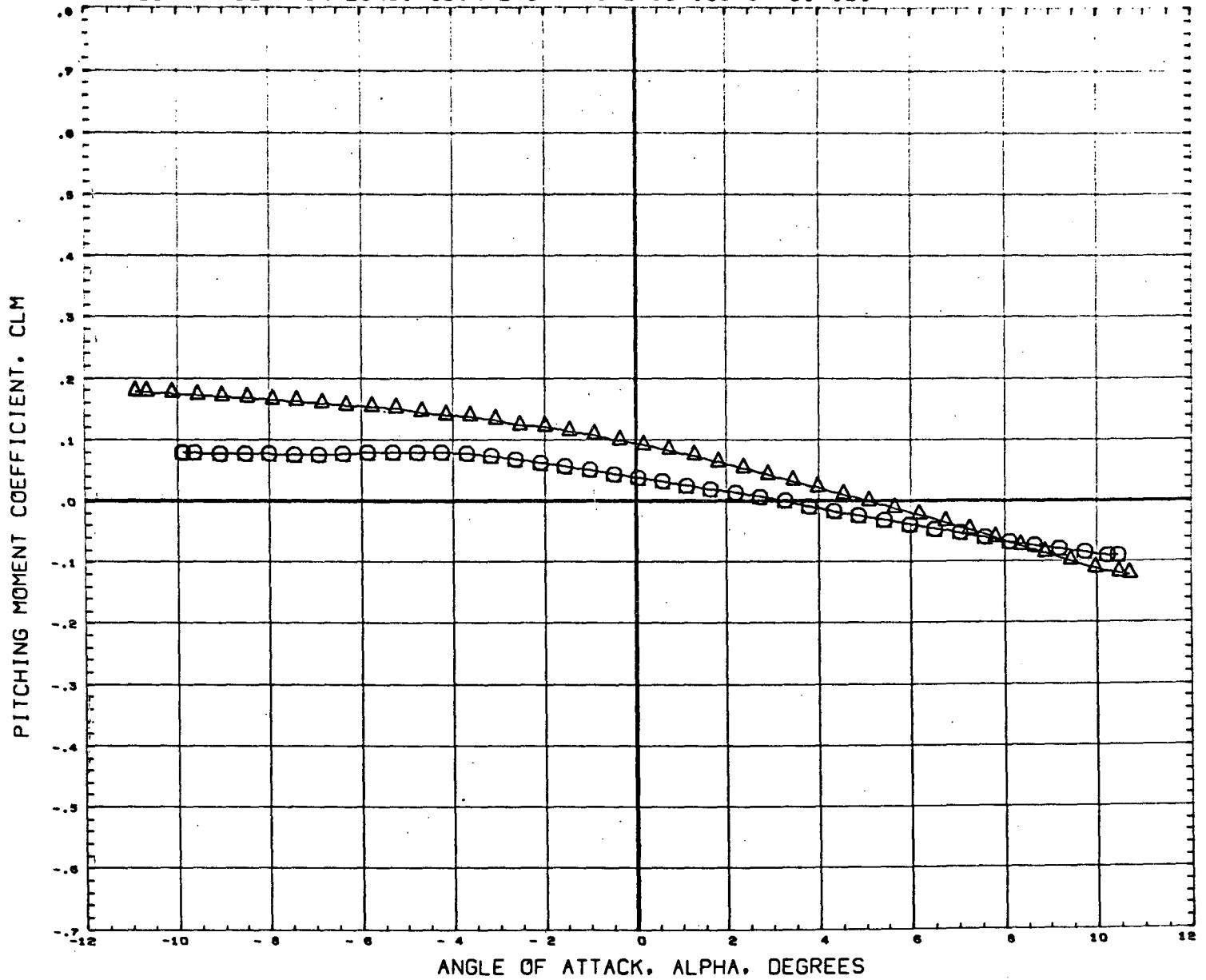
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7501) MDAC S-222 COMPOSITE (T-CG) 01T1B1  
 (CD7502) MDAC S-222 COMPOSITE (T-CG) 01T1B1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

PAGE 143

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(CD7501) ○ MDAC S-222 COMPOSITE (T-CG) 01T1B1  
(CD7502) △ MDAC S-222 COMPOSITE (T-CG) 01T1B1

BETA ELEVTR AILRON RUDDER  
0.000 0.000 0.000 0.000  
6.000 0.000 0.000 0.000

REFERENCE INFORMATION  
SREF 3155.3040 SQ.FT.  
LREF 609.5004 IN.  
BREF 862.0004 IN.  
XMRP 557.0004 IN.  
YMRP 0.0000 IN.  
ZMRP 200.0004 IN.  
SCALE 0.0060

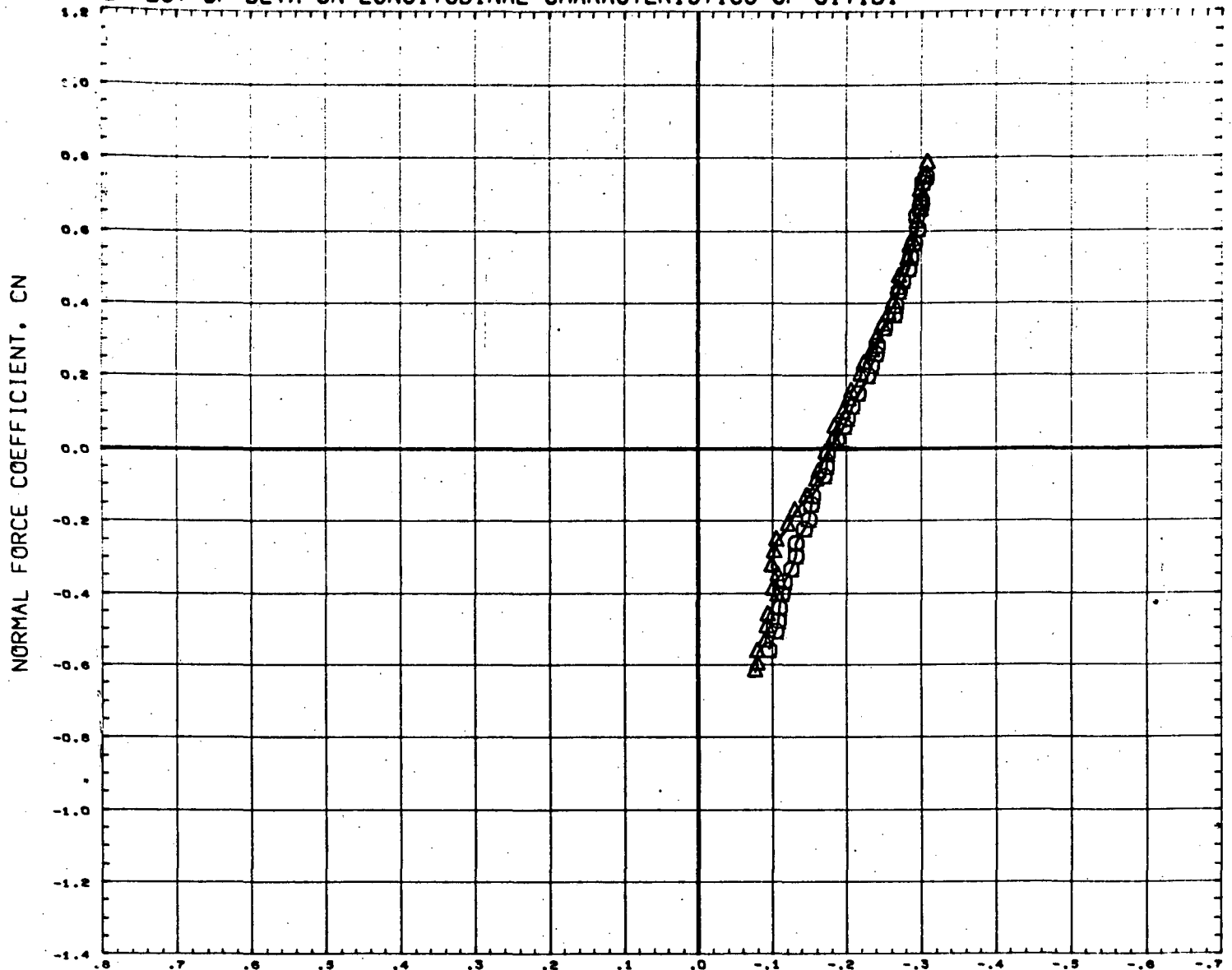
MACH

4.47

PAGE 144

C.4

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1



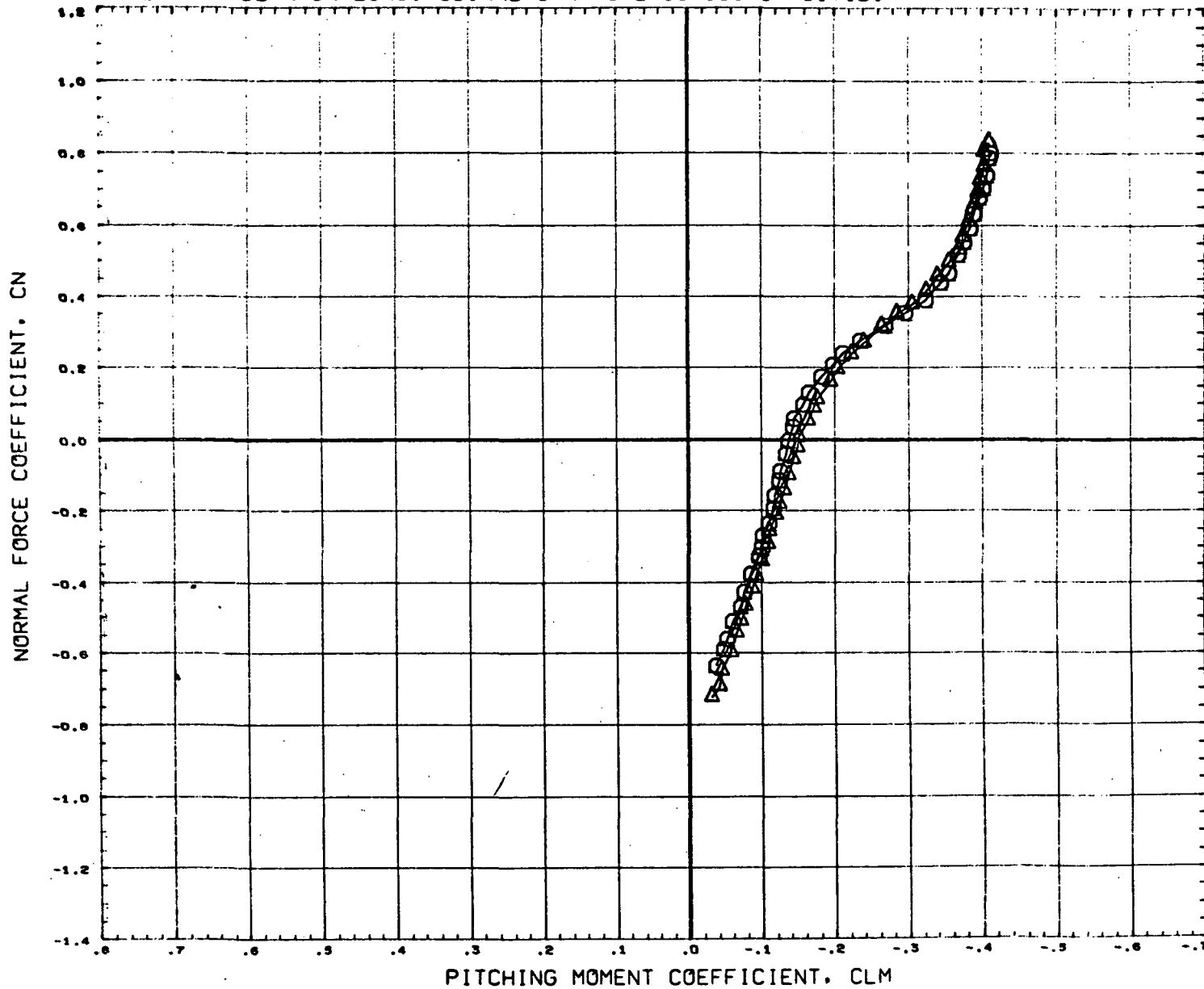
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7501) MDAC S-222 COMPOSITE(T-CG) 01T1B1  
 (CD7502) MDAC S-222 COMPOSITE(T-CG) 01T1B1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .56

PAGE 145

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7501)  $\bigcirc$  MDAC S-222 COMPOSITE (T-CG) 01T1B1  
 (CD7502)  $\triangle$  MDAC S-222 COMPOSITE (T-CG) 01T1B1

BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 6.000 0.000 0.000 0.000

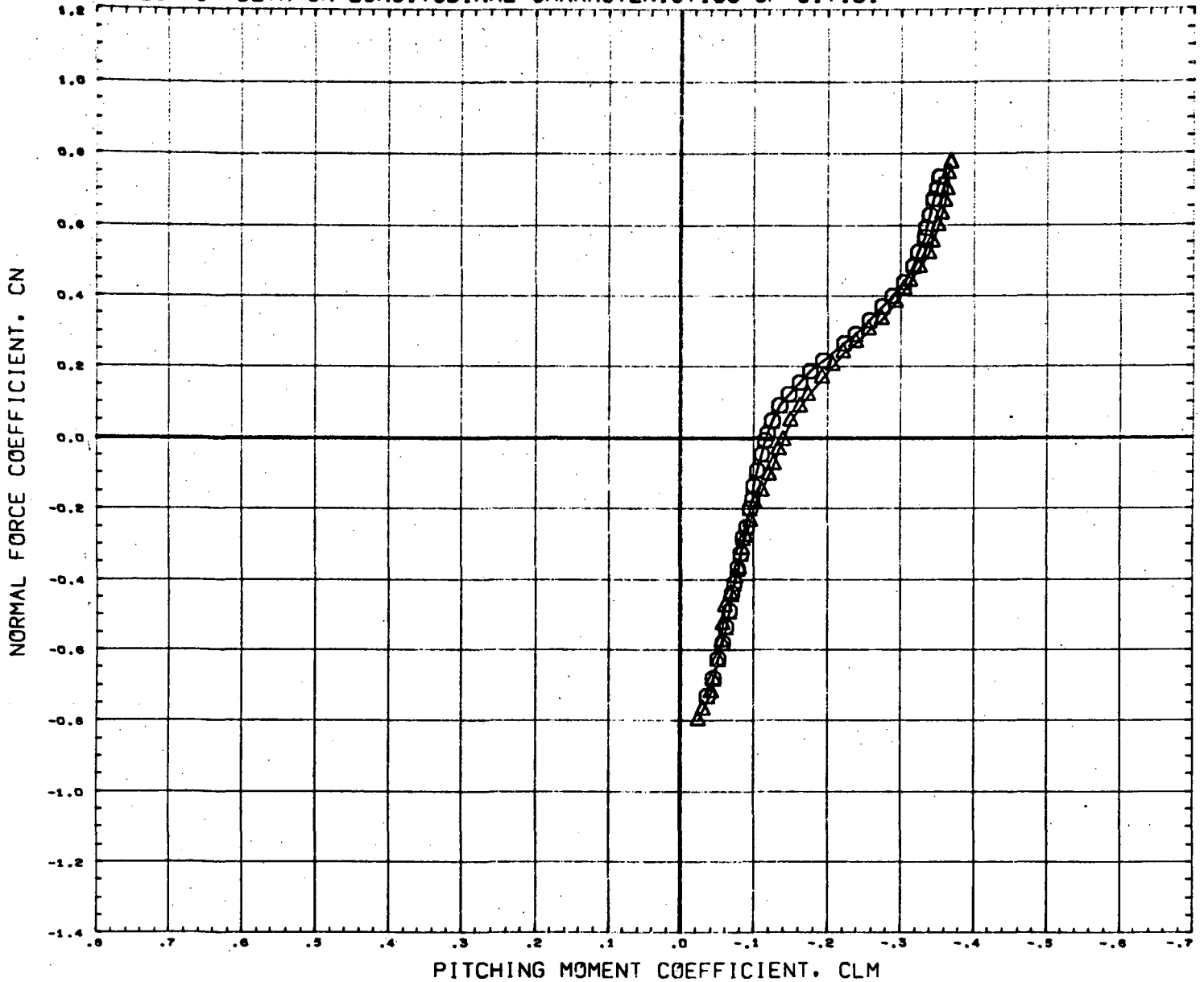
REFERENCE INFORMATION  
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 BREF 882.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH

.89

PAGE 146

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7501) MDAC S-222 COMPOSITE (T-CG) 01T1B1  
 (CD7502) MDAC S-222 COMPOSITE (T-CG) 01T1B1

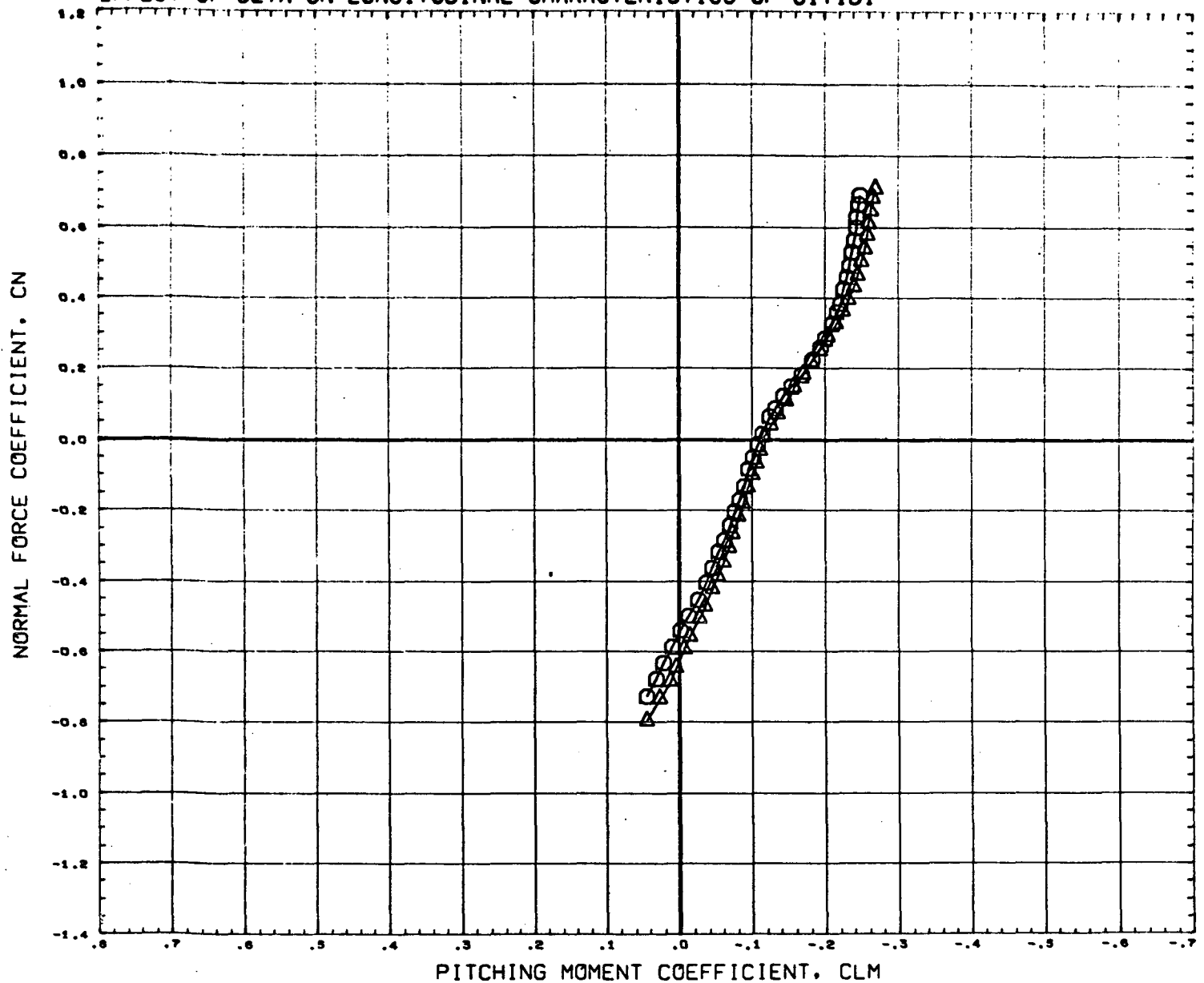
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
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0.000	0.000	0.000	0.000	LREF	609.9004 IN.
				BREF	882.0004 IN.
				XMRP	957.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH

1.09

PAGE 147

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B1



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (C07501) : MDAC S-222 COMPOSITE (T-CG) 011B1  
 (C07502) : MDAC S-222 COMPOSITE (T-CG) 011B1

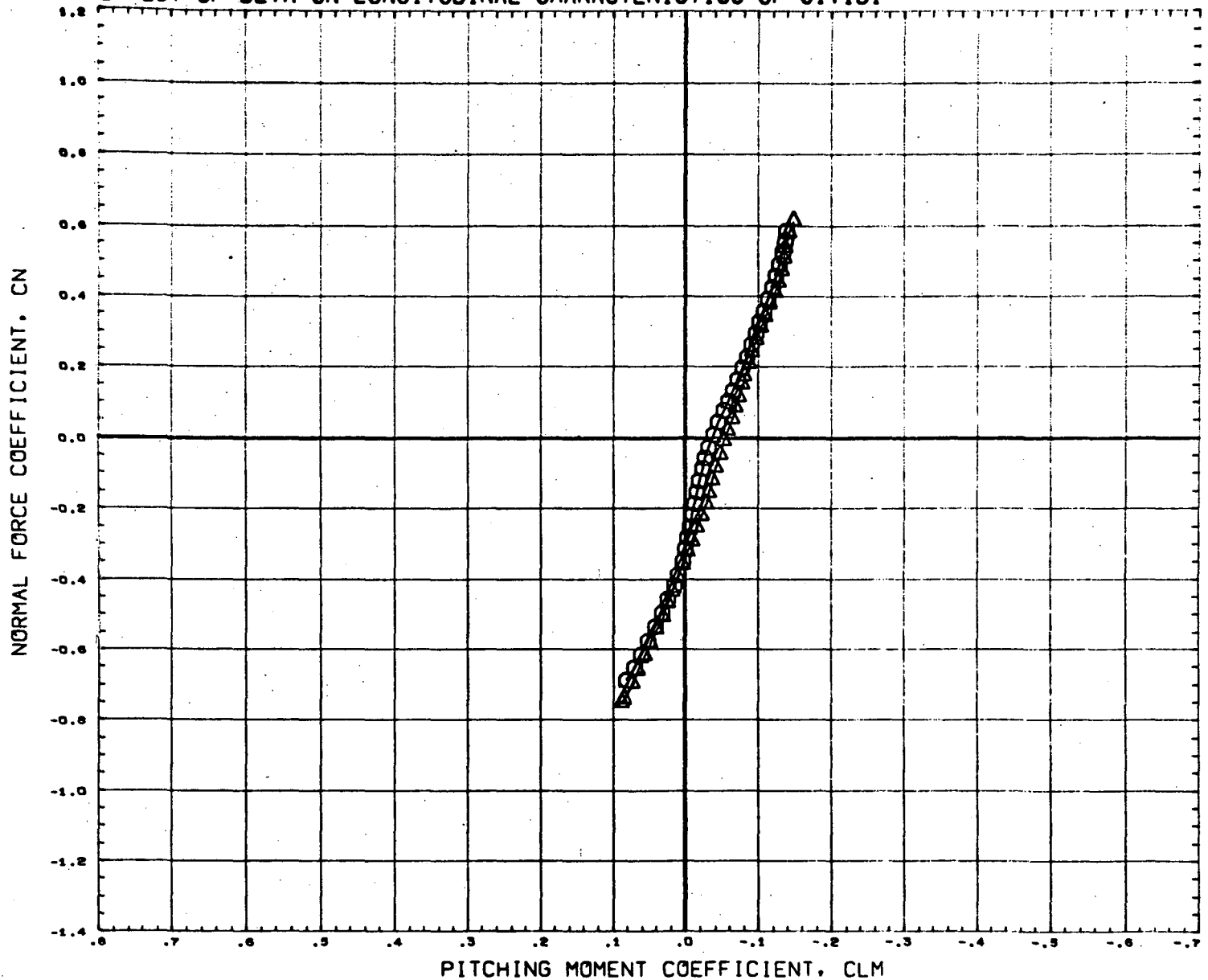
BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH 1.51

PAGE 148

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1



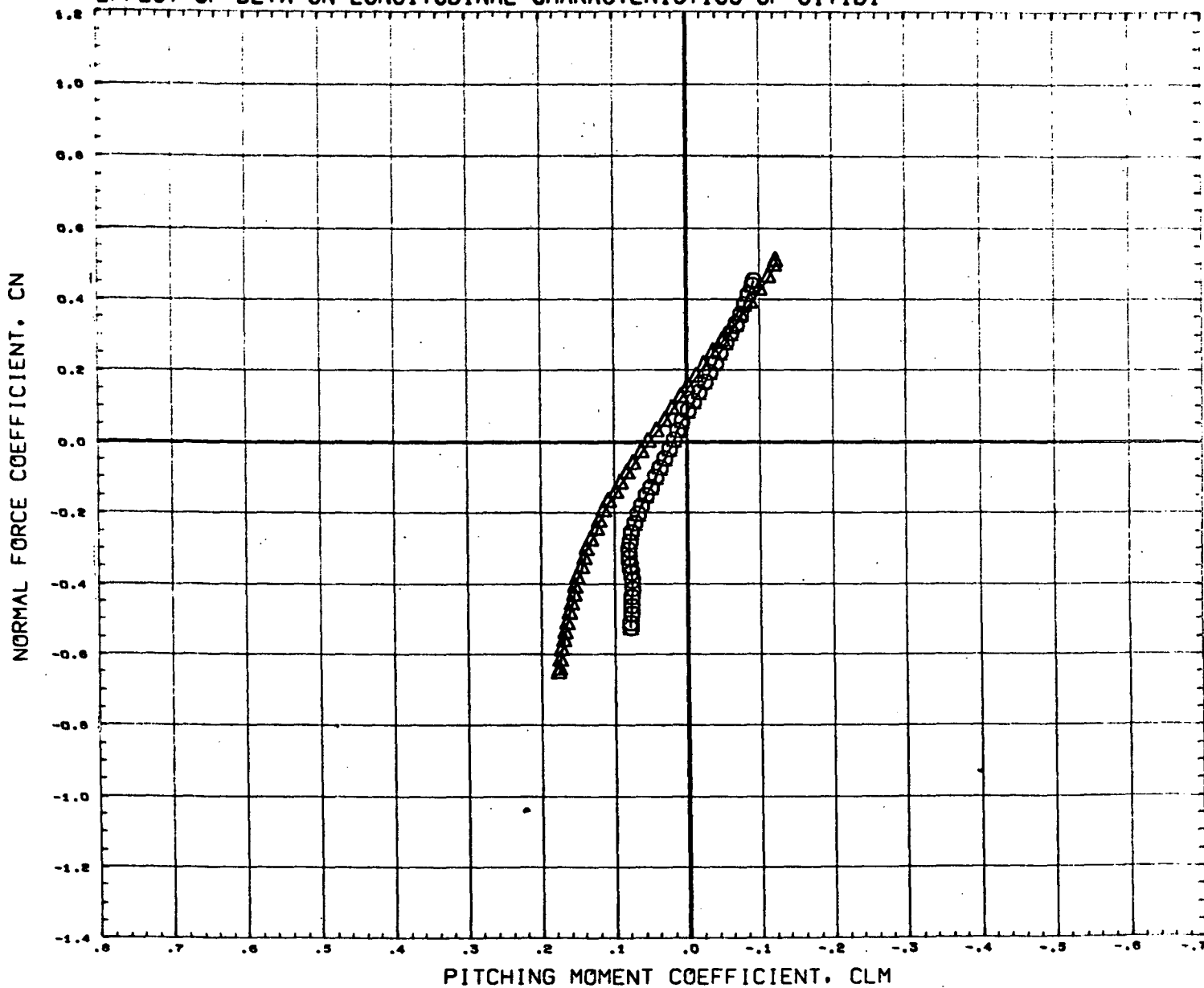
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(CD7501)  $\bigcirc$  MDAC S-222 COMPOSITE (T-CG) 01T1B1  
(CD7502)  $\triangle$  MDAC S-222 COMPOSITE (T-CG) 01T1B1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	662.0004 IN.
				XMRP	597.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

PAGE 149

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1



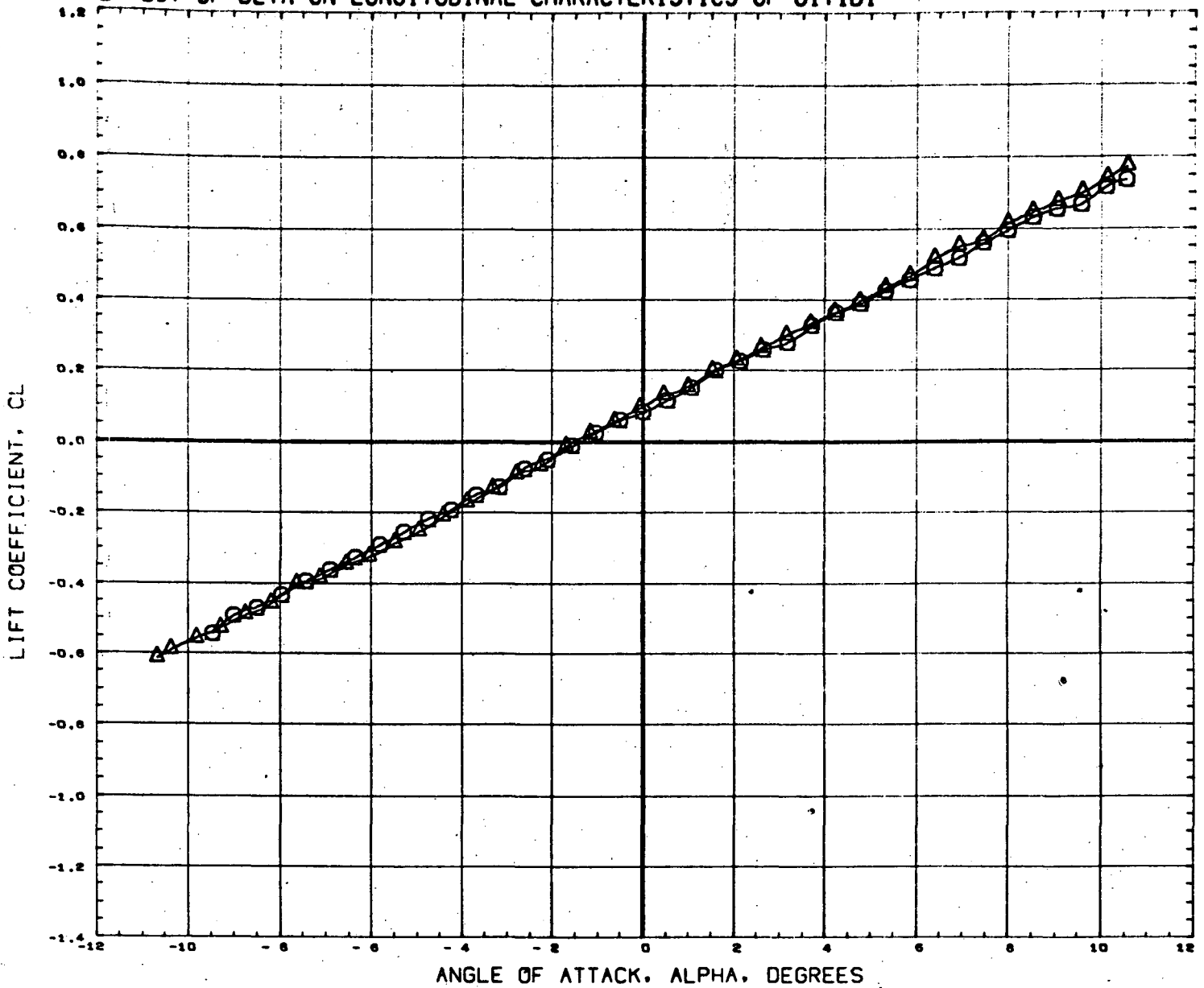
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7501)	MDAC S-222 COMPOSITE (T-CG) 01T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7502)	MDAC S-222 COMPOSITE (T-CG) 01T1B1	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	537.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 150



# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B1



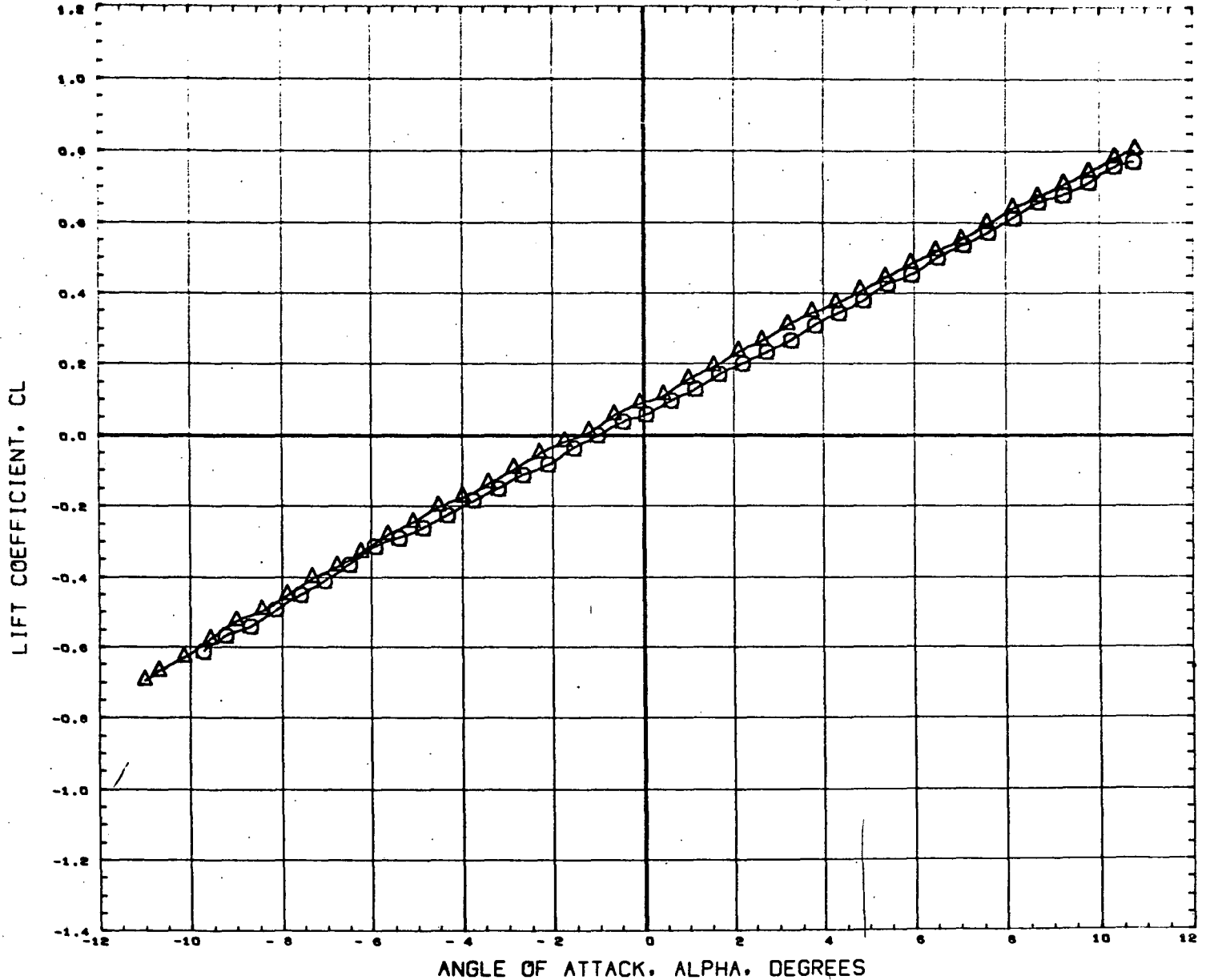
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
(CD7501)       MDAC S-222 COMPOSITE (T-CG) 011B1  
(CD7502)       MDAC S-222 COMPOSITE (T-CG) 011B1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ. FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	662.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .56

PAGE 151

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B1



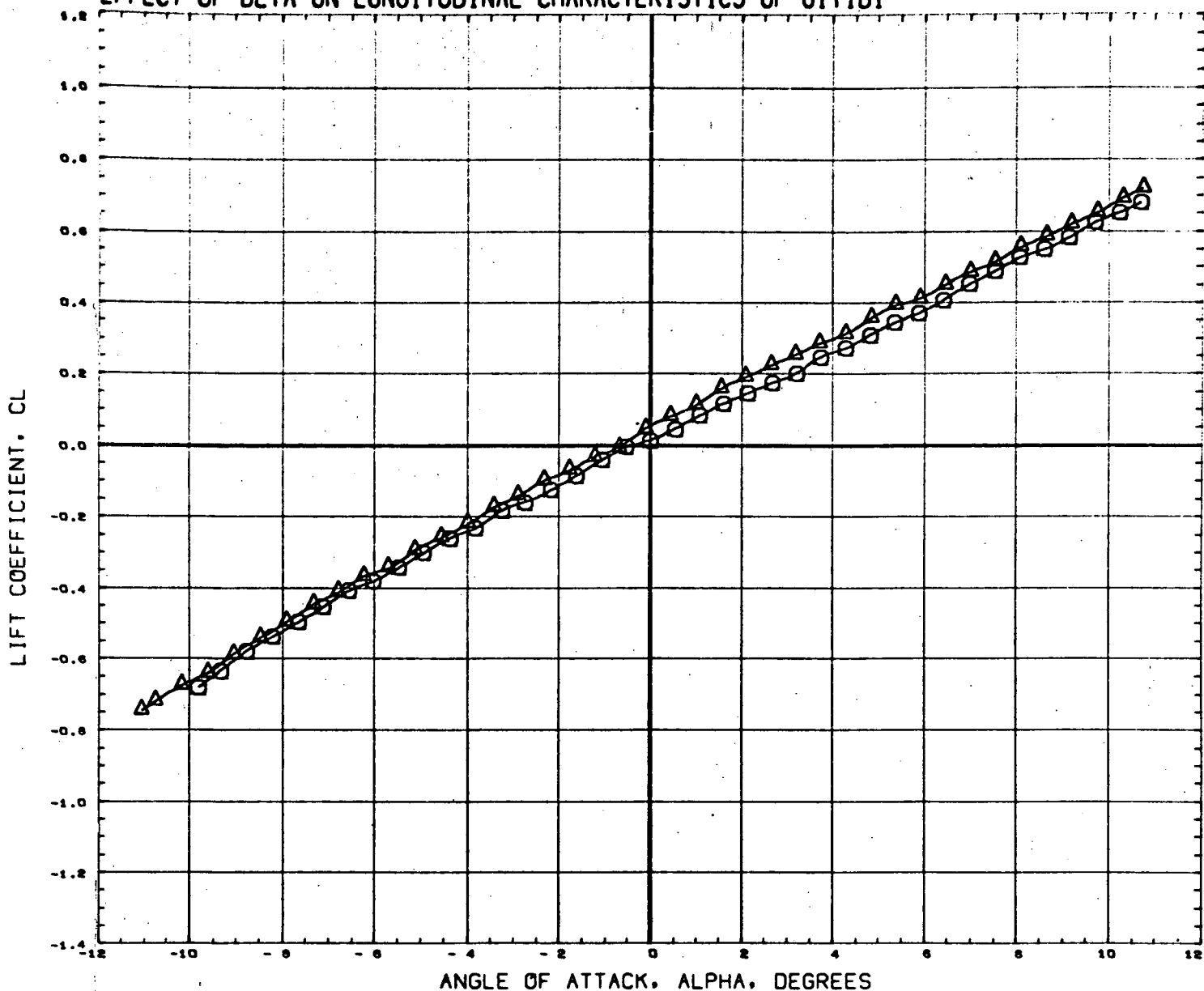
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(CD7501) MDAC S-222 COMPOSITE (T-CG) 011B1  
(CD7502) MDAC S-222 COMPOSITE (T-CG) 011B1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	937.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

PAGE 152

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1



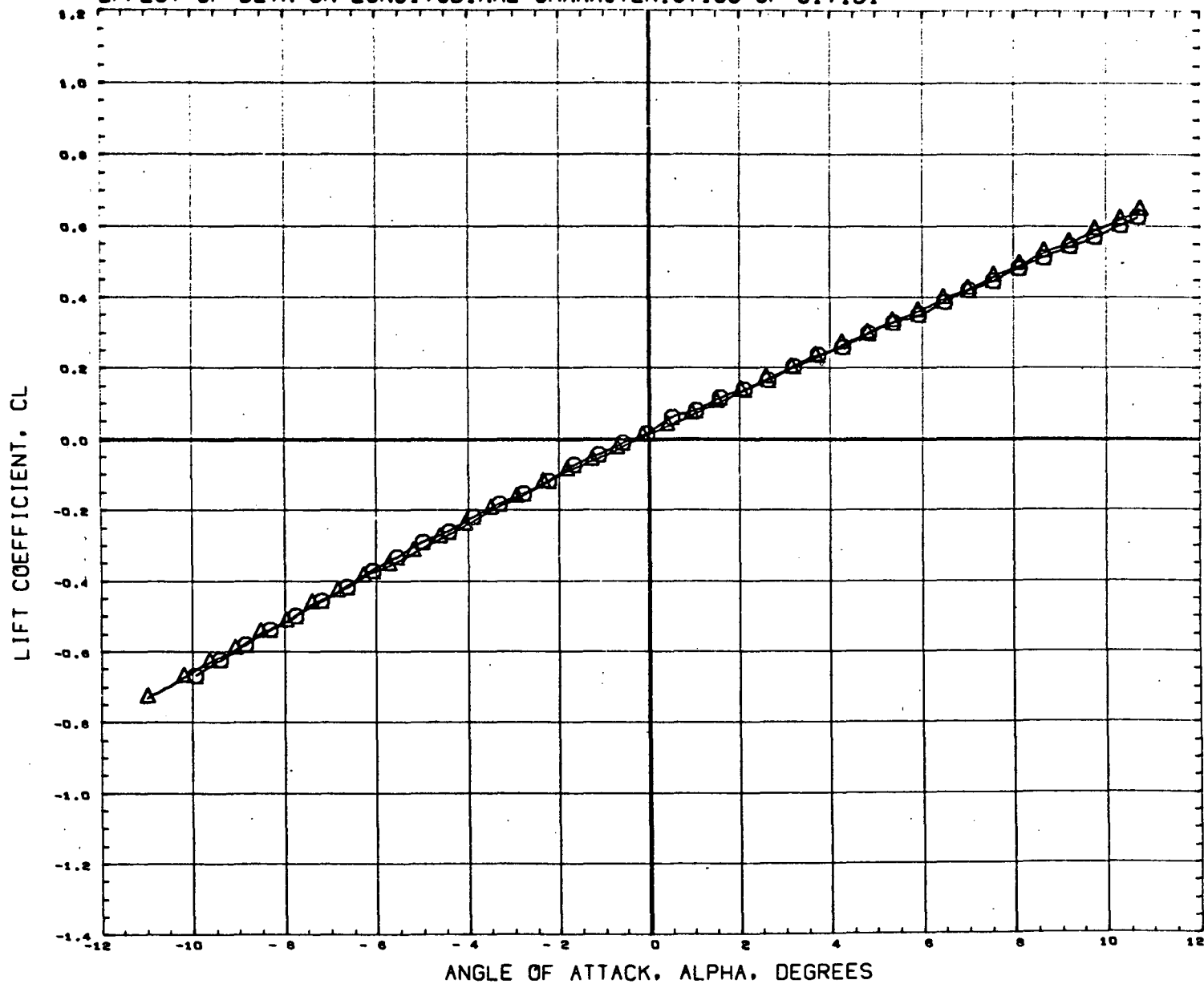
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7501)	MDAC S-222 COMPOSITE (T-C6) 01T1B1
(CD7502)	MDAC S-222 COMPOSITE (T-C6) 01T1B1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF 609.9004 IN.
				BREF 882.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH 1.09

PAGE 153

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B1



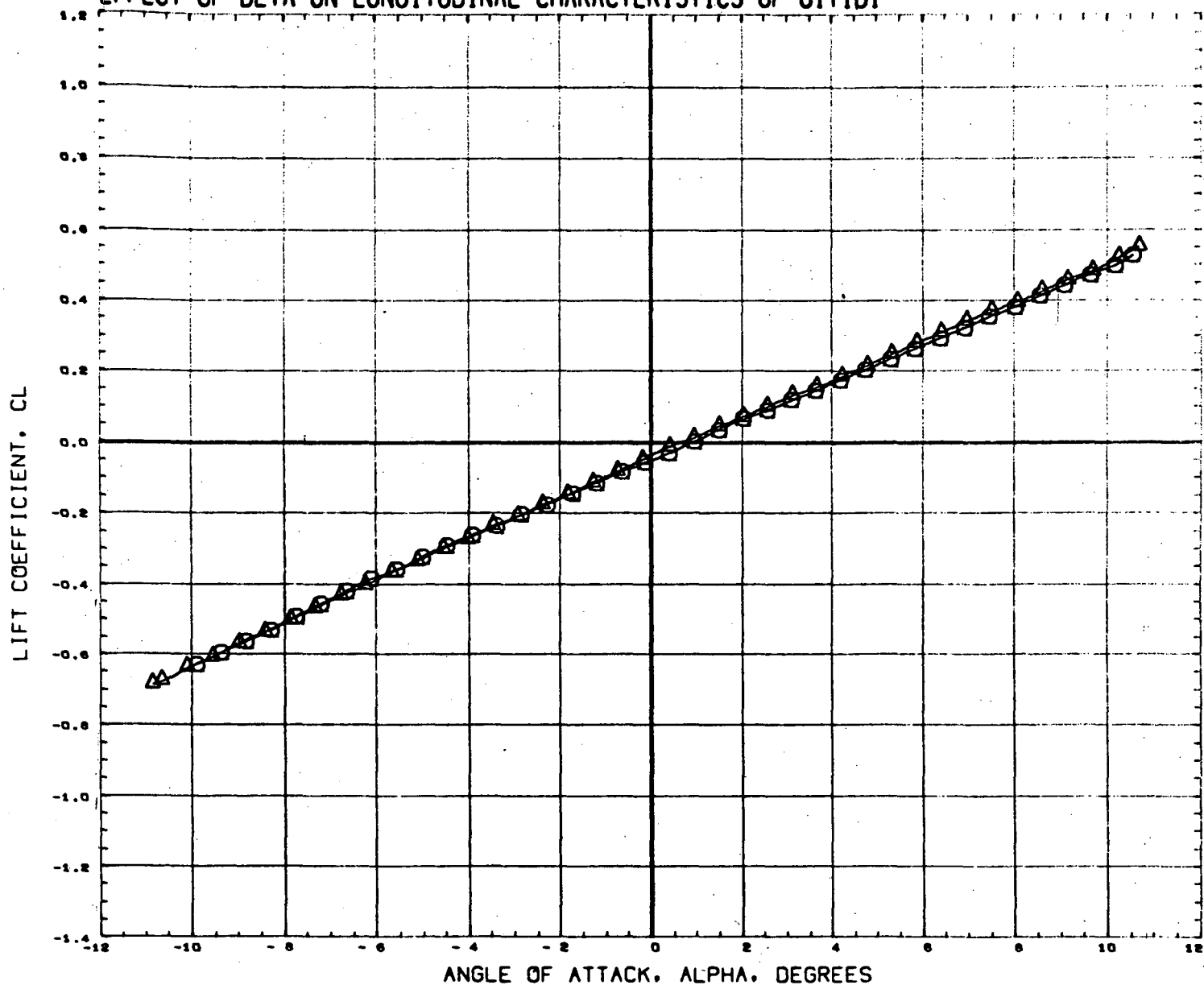
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
(C07501)       MDAC S-222 COMPOSITE (T-CG) 011B1  
(C07502)       MDAC S-222 COMPOSITE (T-CG) 011B1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
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0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH      1.51

PAGE    154

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B1



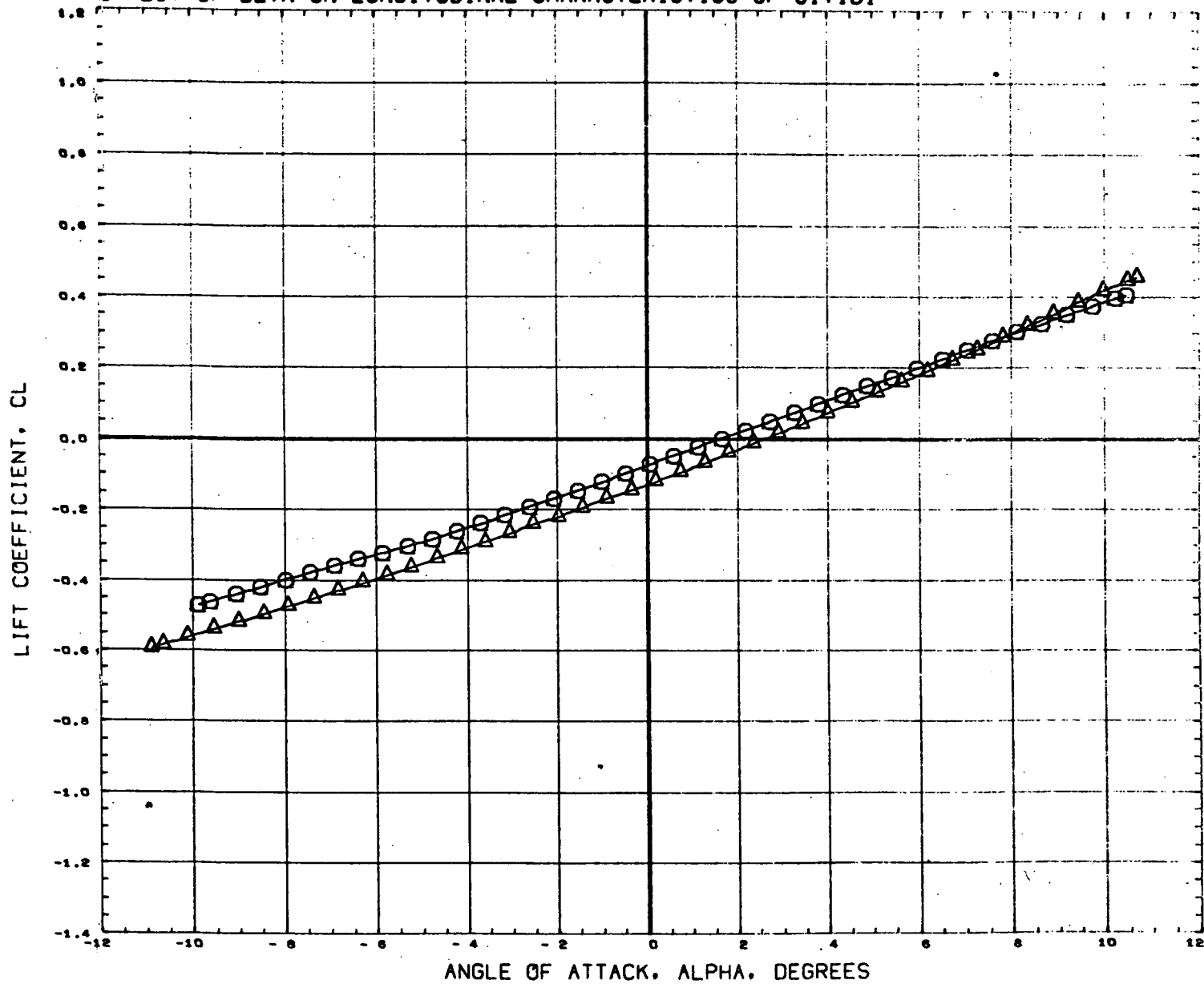
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7501) MDAC S-222 COMPOSITE(T-CG) 011B1  
 (CD7502) MDAC S-222 COMPOSITE(T-CG) 011B1



BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	862.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

PAGE 155

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01181



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(C07501)  MDAC S-222 COMPOSITE(T-CG) 01181  
(C07502)  MDAC S-222 COMPOSITE(T-CG) 01181

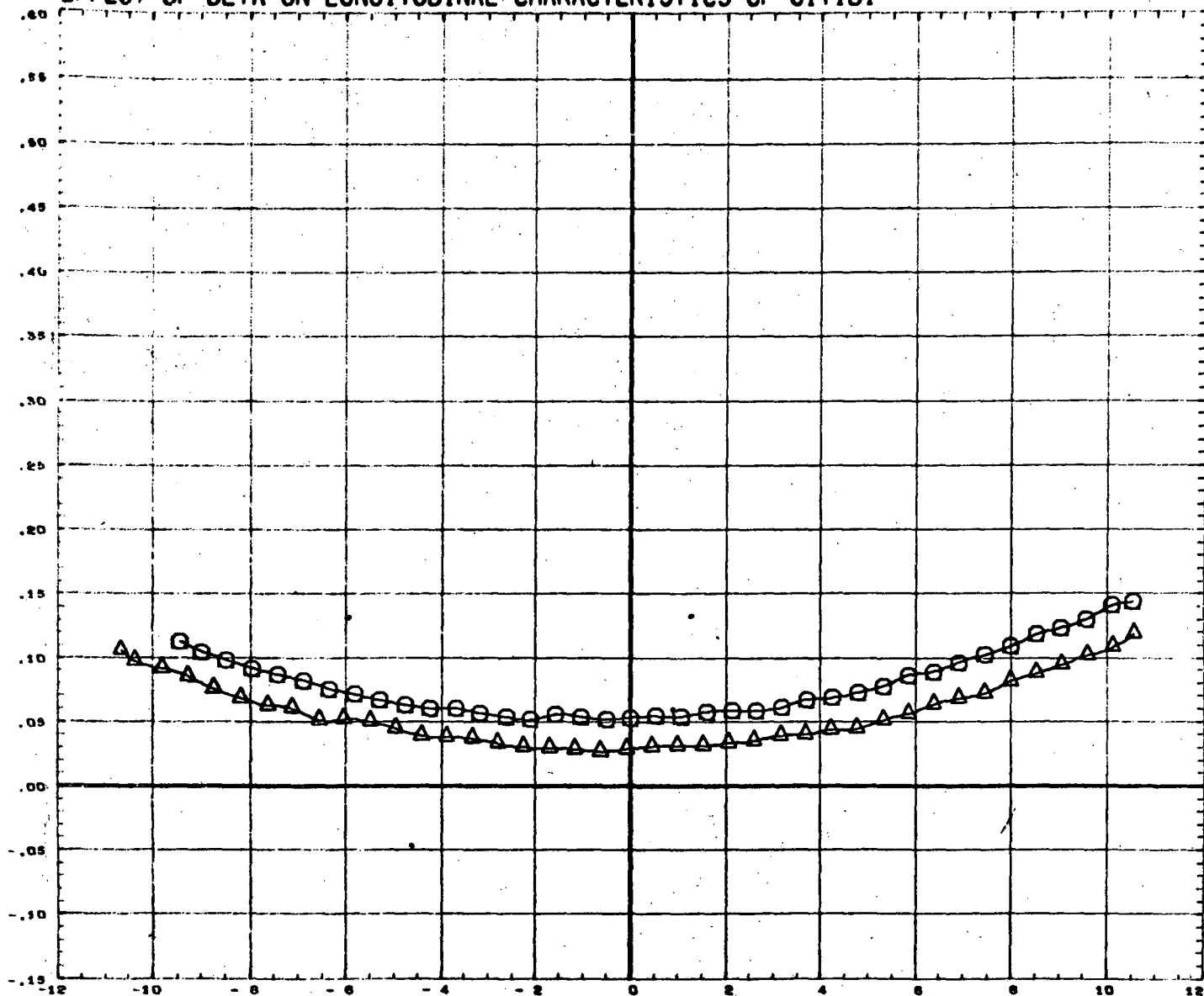
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.9004 IN.
				BREF	682.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

PAGE 156

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B1

FOREBODY DRAG COEFFICIENT, CDF



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7501) HDAC S-222 COMPOSITE (T-CG) 011B1  
 (CD7502) HDAC S-222 COMPOSITE (T-CG) 011B1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 Sq.Ft.
0.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	682.0004 IN.
				XMRP	957.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

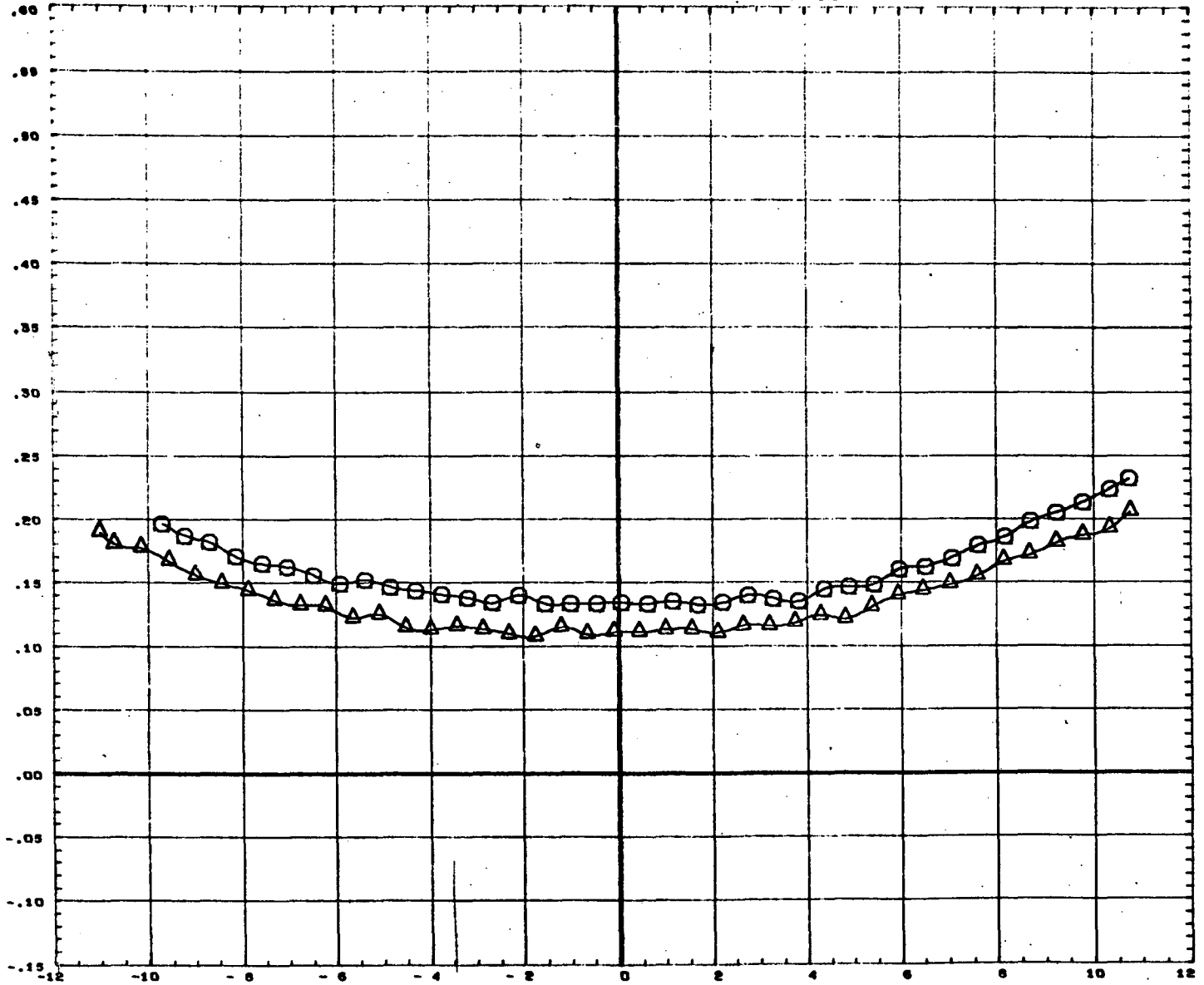
MACH

.56

PAGE 157

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7501) MDAC S-222 COMPOSITE (T-CG) 01T1B1  
 (CD7502) MDAC S-222 COMPOSITE (T-CG) 01T1B1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

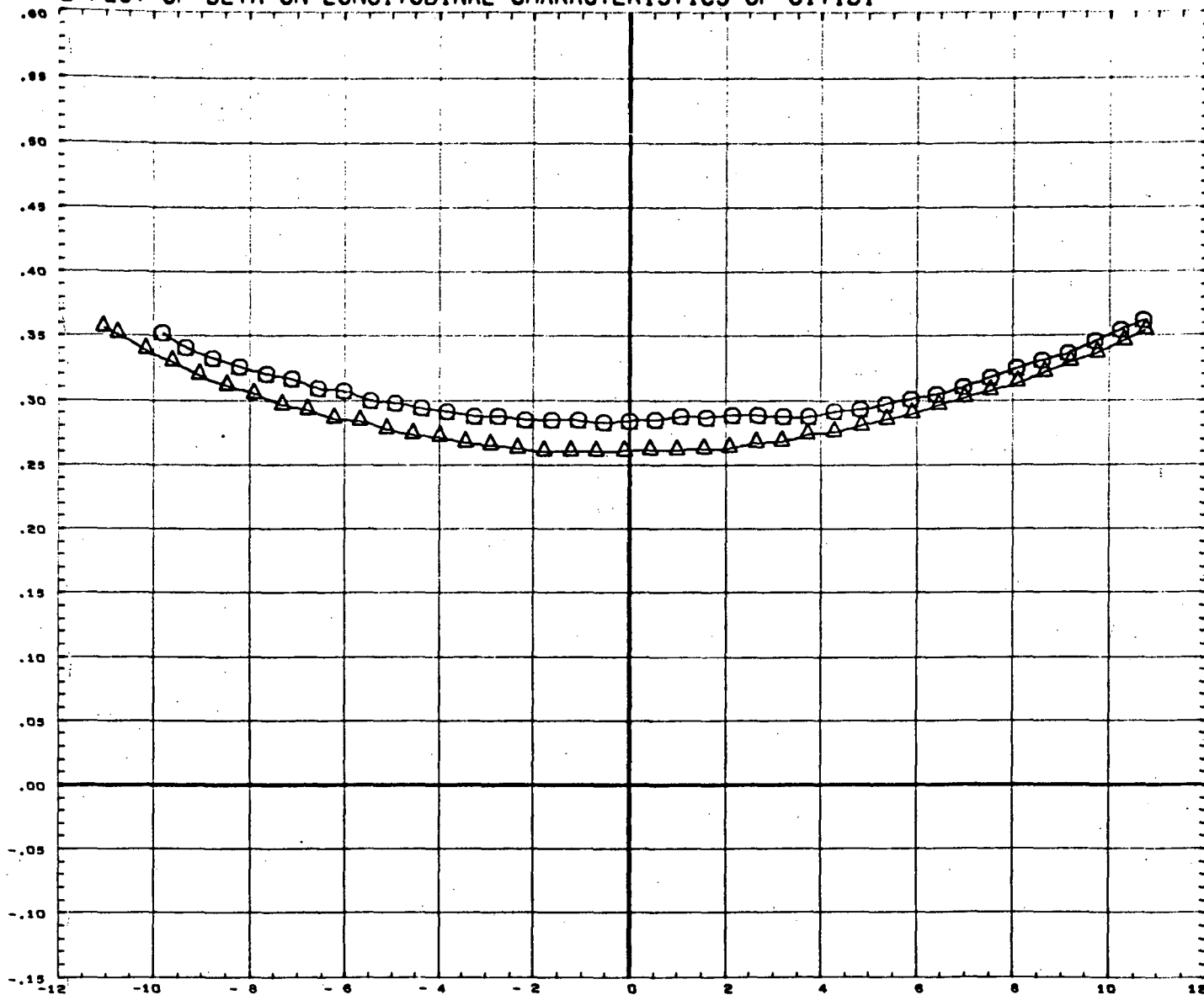
MACH .89

PAGE 158



# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B1

FOREBODY DRAG COEFFICIENT, COF



DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7501)    ○    MDAC S-222 COMPOSITE (T-CG) 011B1  
 (CD7502)    △    MDAC S-222 COMPOSITE (T-CG) 011B1

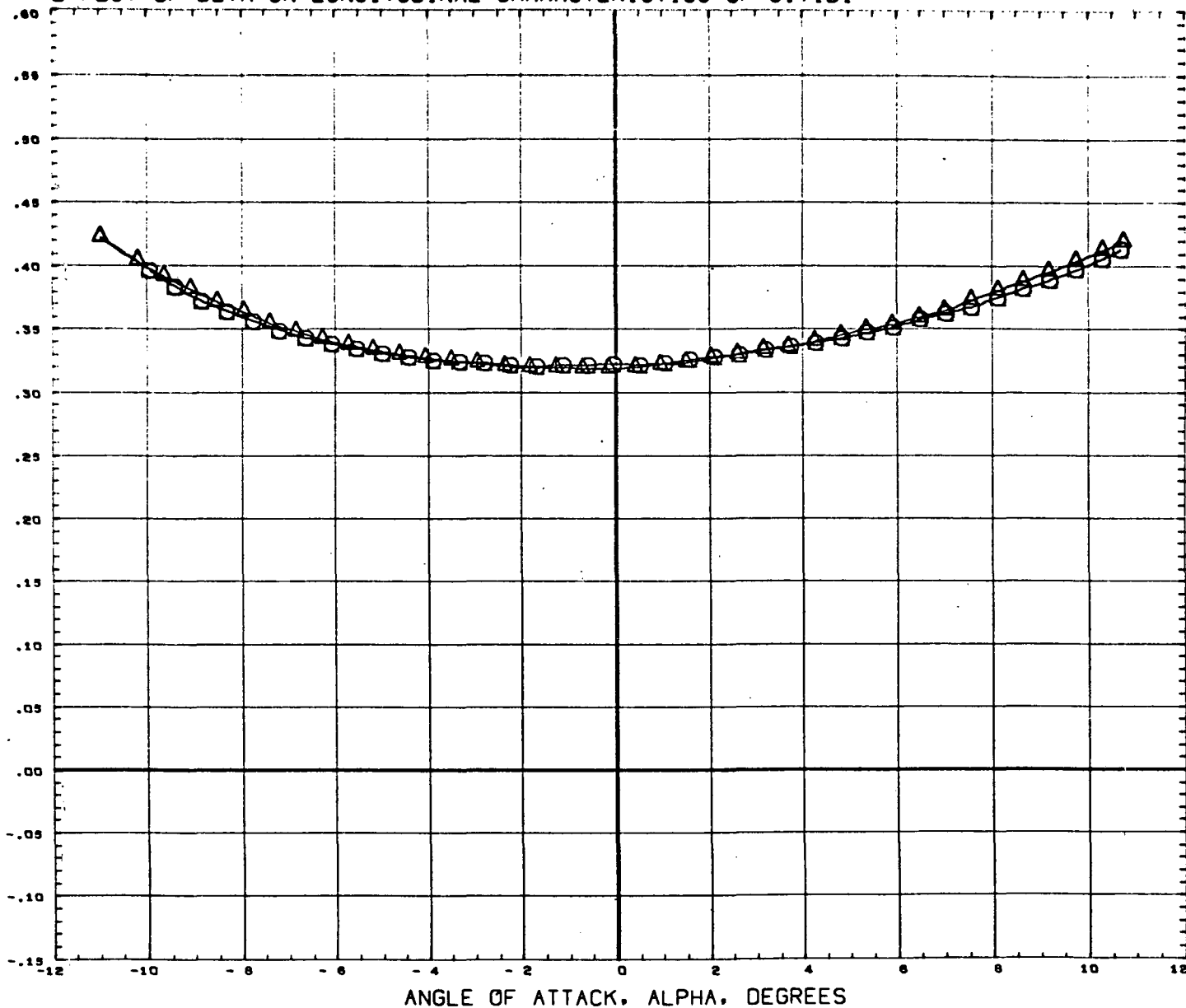
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3540 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.09

PAGE 159

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B1

FOREBODY DRAG COEFFICIENT, CDF



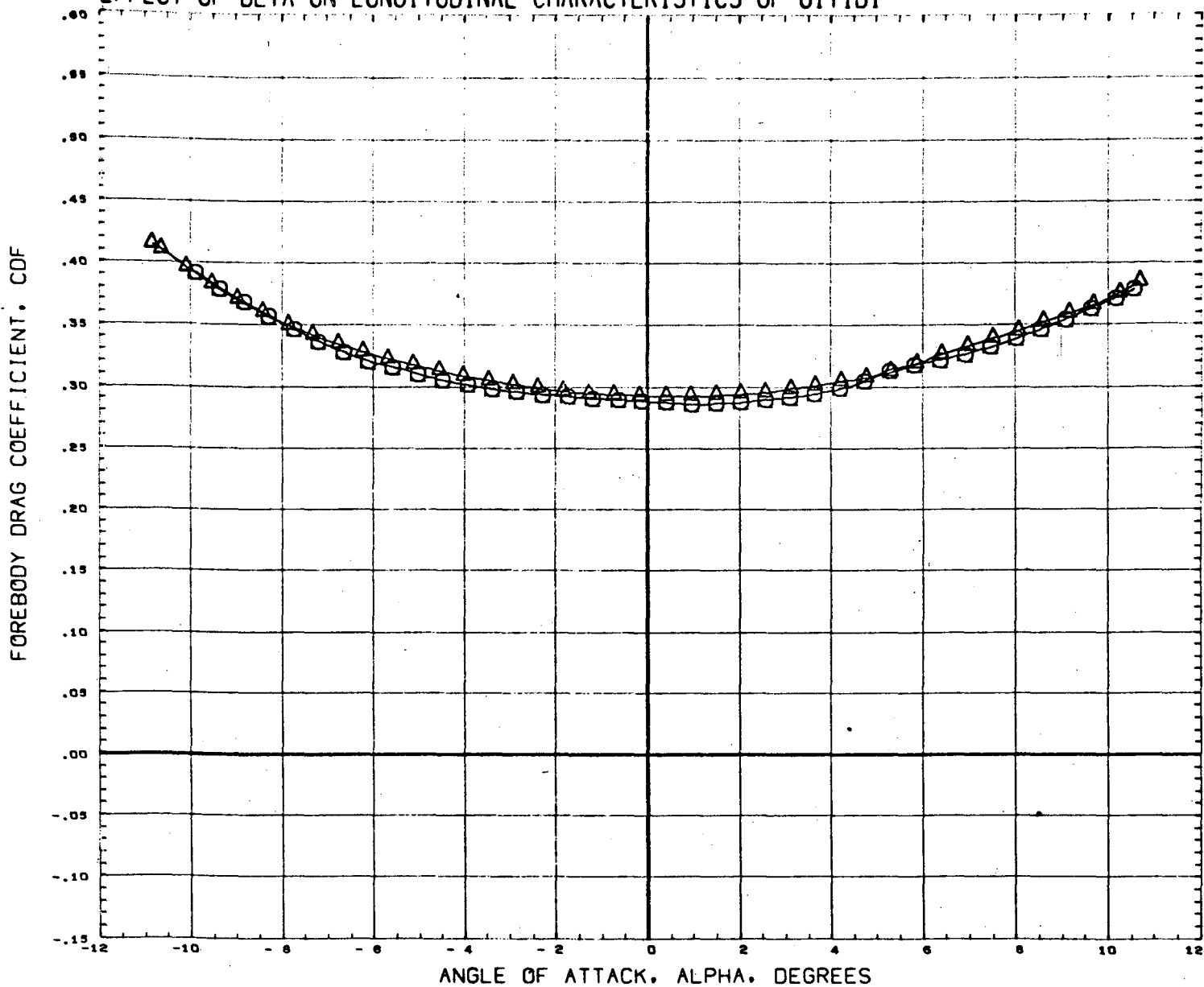
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7501)	MDAC S-222 COMPOSITE (T-CG) 011B1
(CD7502)	MDAC S-222 COMPOSITE (T-CG) 011B1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF 609.5004 IN.
				BREF 882.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH 1.51

PAGE 160

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(CD7501)  $\Delta$  MDAC S-222 COMPOSITE (T-CG) 01T1B1  
(CD7502)  $\Delta$  MDAC S-222 COMPOSITE (T-CG) 01T1B1

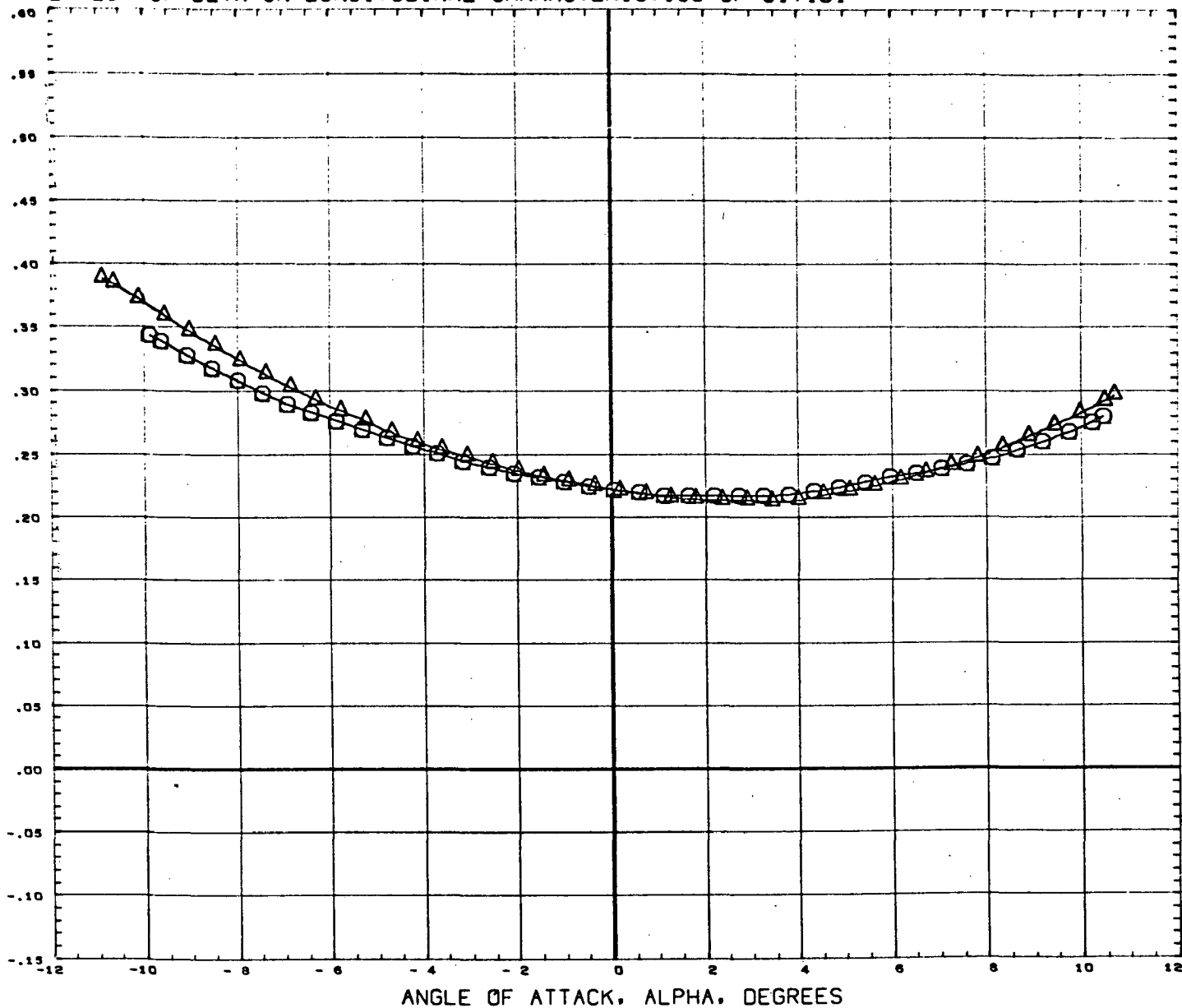
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

PAGE 161

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7501) MDAC S-222 COMPOSITE (T-CG) 01T1B1  
 (CD7502) MDAC S-222 COMPOSITE (T-CG) 01T1B1

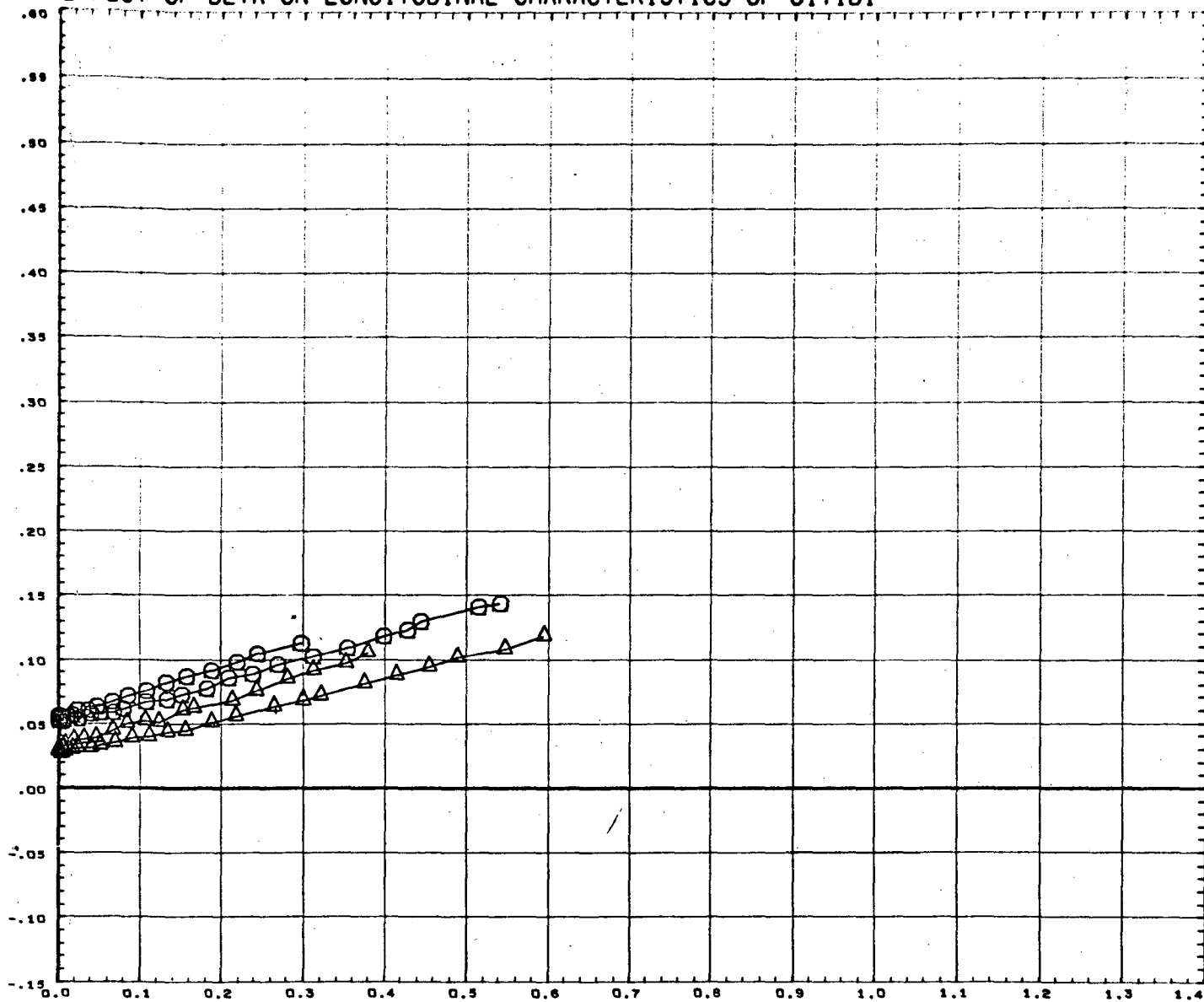
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	882.0004	IN.
				XMRP	957.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH 4.47

PAGE 162

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQ

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7501) MDAC S-222 COMPOSITE (T-CG) 01T1B1  
 (CD7502) MDAC S-222 COMPOSITE (T-CG) 01T1B1

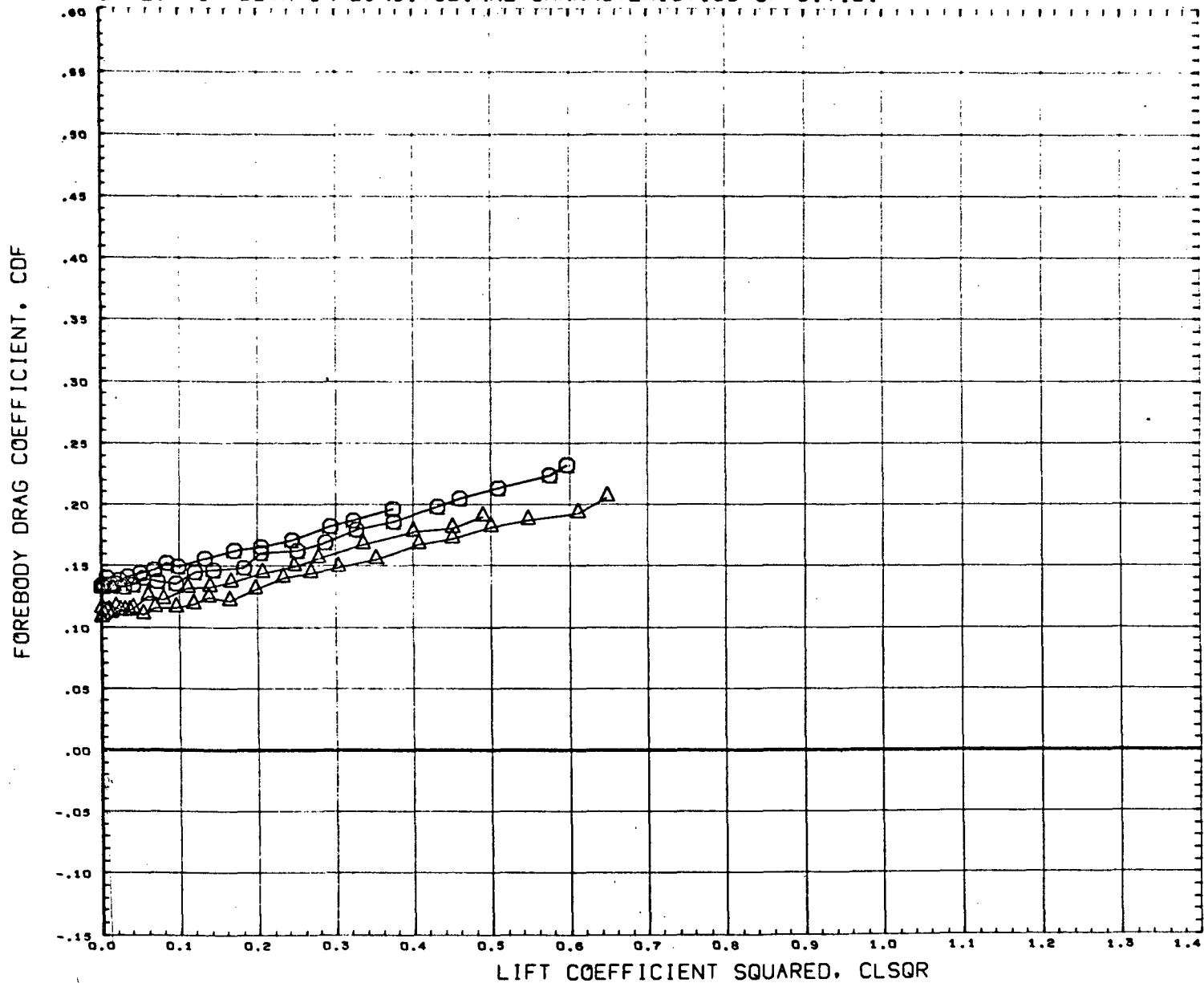
BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 6.000 0.000 0.000 0.000

REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0080

MACH .56

PAGE 163

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7501)  $\bigcirc$  MDAC S-222 COMPOSITE (T-CG) 01T1B1  
 (CD7502)  $\triangle$  MDAC S-222 COMPOSITE (T-CG) 01T1B1

BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 6.000 0.000 0.000 0.000

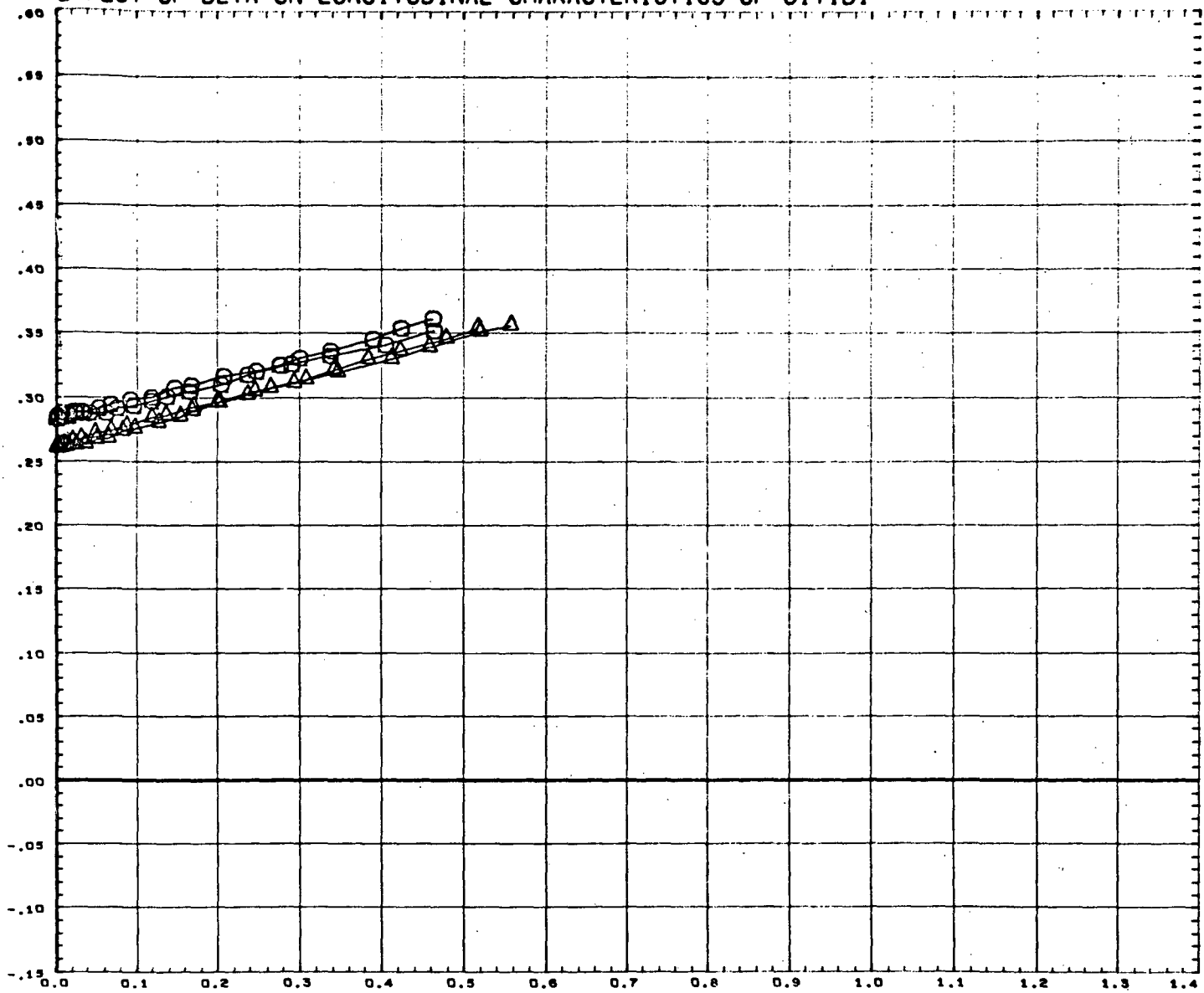
REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH .89

PAGE 164

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQ

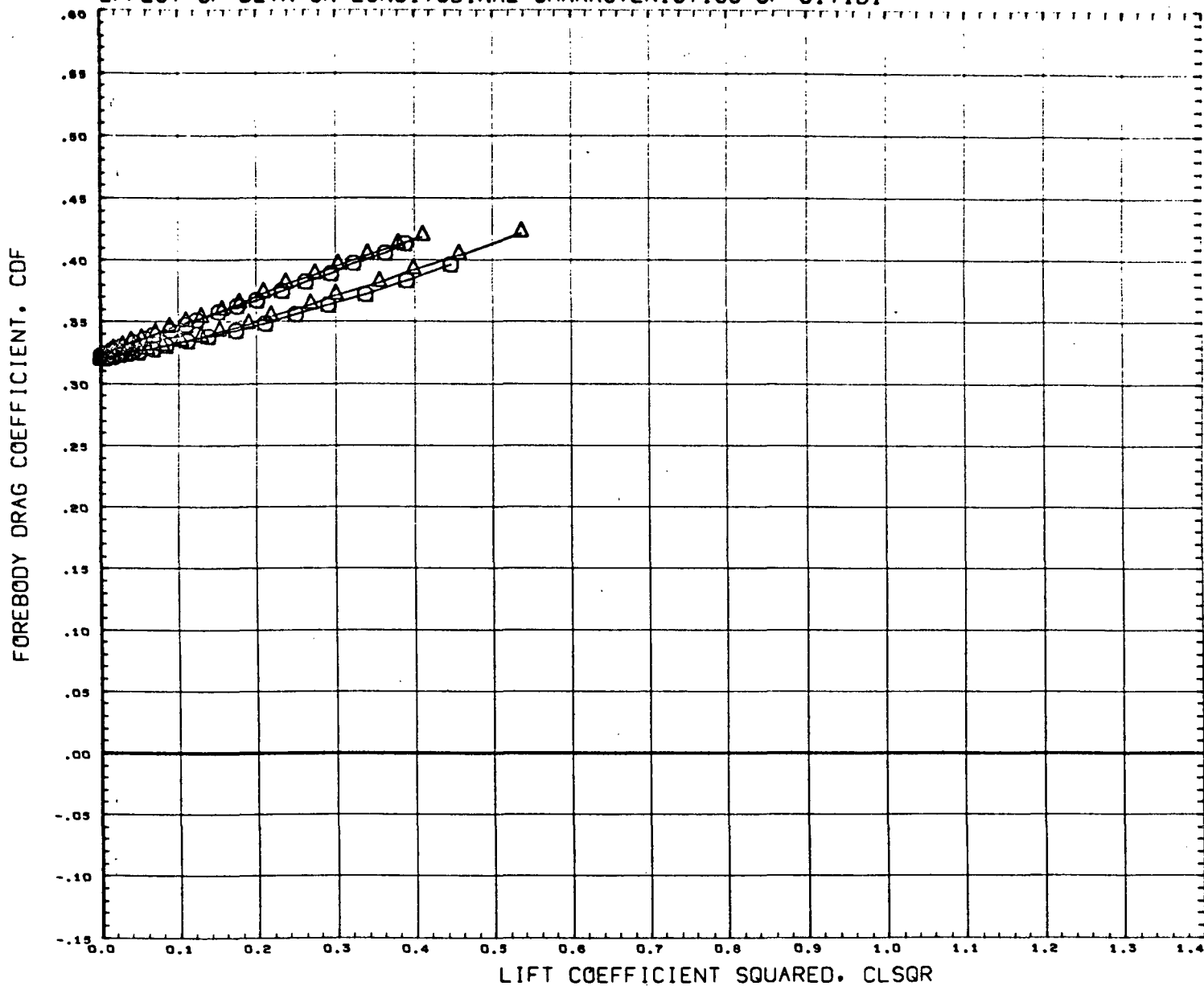
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7501)  $\bigcirc$  MDAC S-222 COMPOSITE (T-CG) 01T1B1  
 (CD7502)  $\triangle$  MDAC S-222 COMPOSITE (T-CG) 01T1B1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.09

PAGE 165

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7501)	MDAC S-222 COMPOSITE (T-CG) 01T1B1
(CD7502)	MDAC S-222 COMPOSITE (T-CG) 01T1B1

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ. FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMHP	557.0004	IN.
YMHP	0.0000	IN.
ZMHP	200.0004	IN.
SCALE	0.0060	

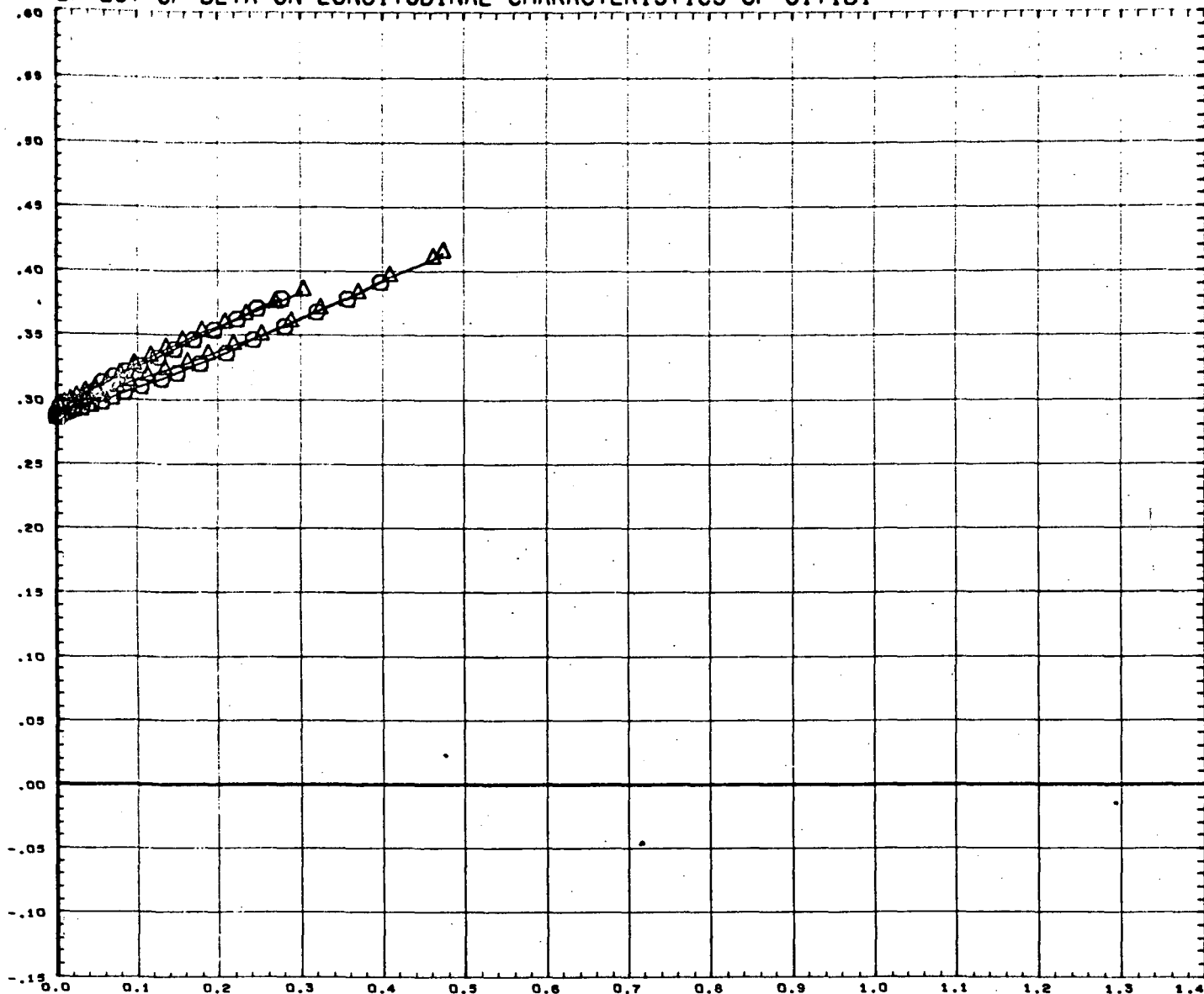
MACH 1.51

PAGE 166



# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQ

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7501)  $\bigcirc$  MDAC S-222 COMPOSITE (T-C6) 01T1B1  
 (CD7502)  $\Delta$  MDAC S-222 COMPOSITE (T-C6) 01T1B1

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000

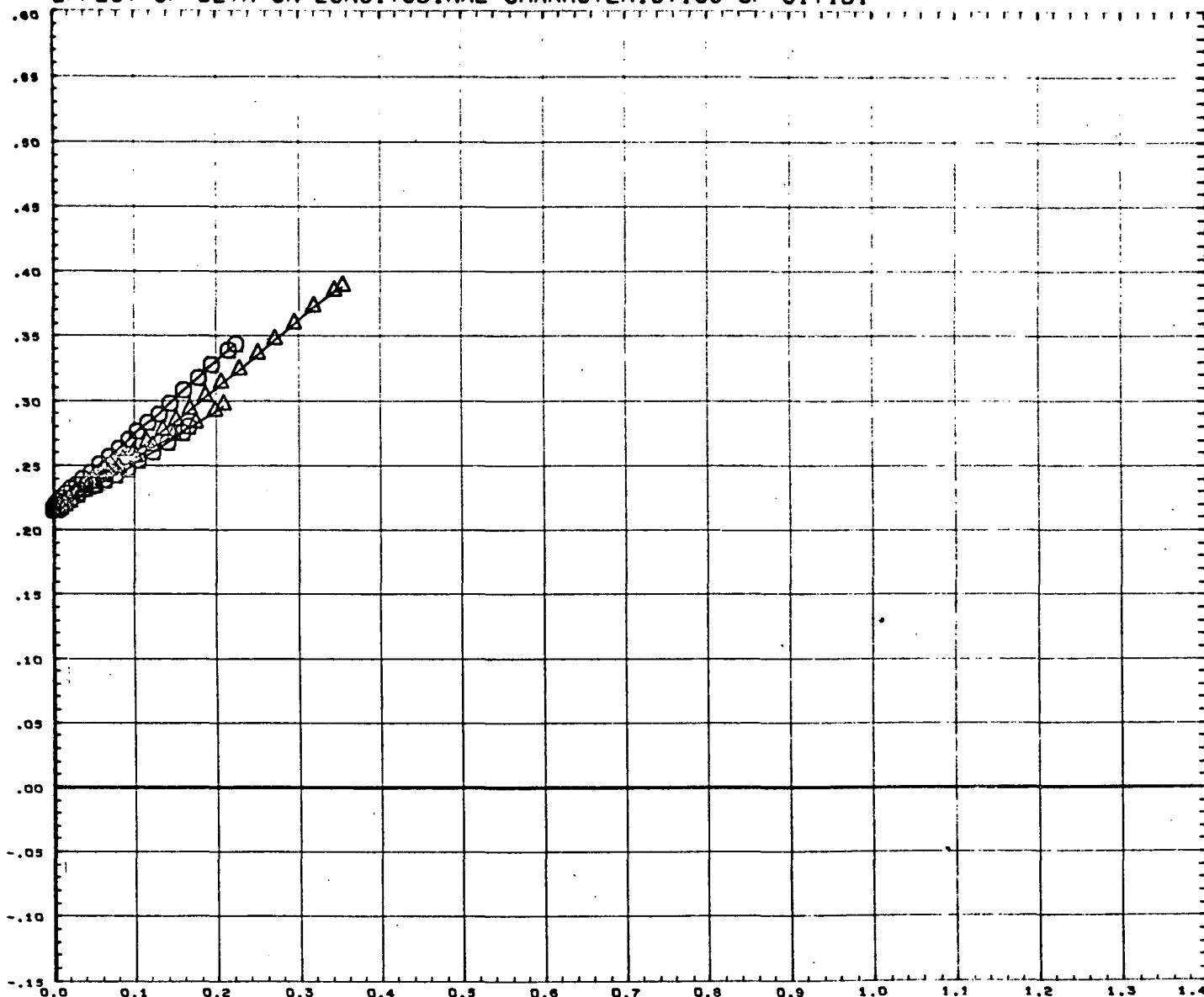
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.3004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH 2.20

PAGE 167

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B1

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQ

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(C07501)	MDAC S-222 COMPOSITE (T-C6) 011B1
(C07502)	MDAC S-222 COMPOSITE (T-C6) 011B1

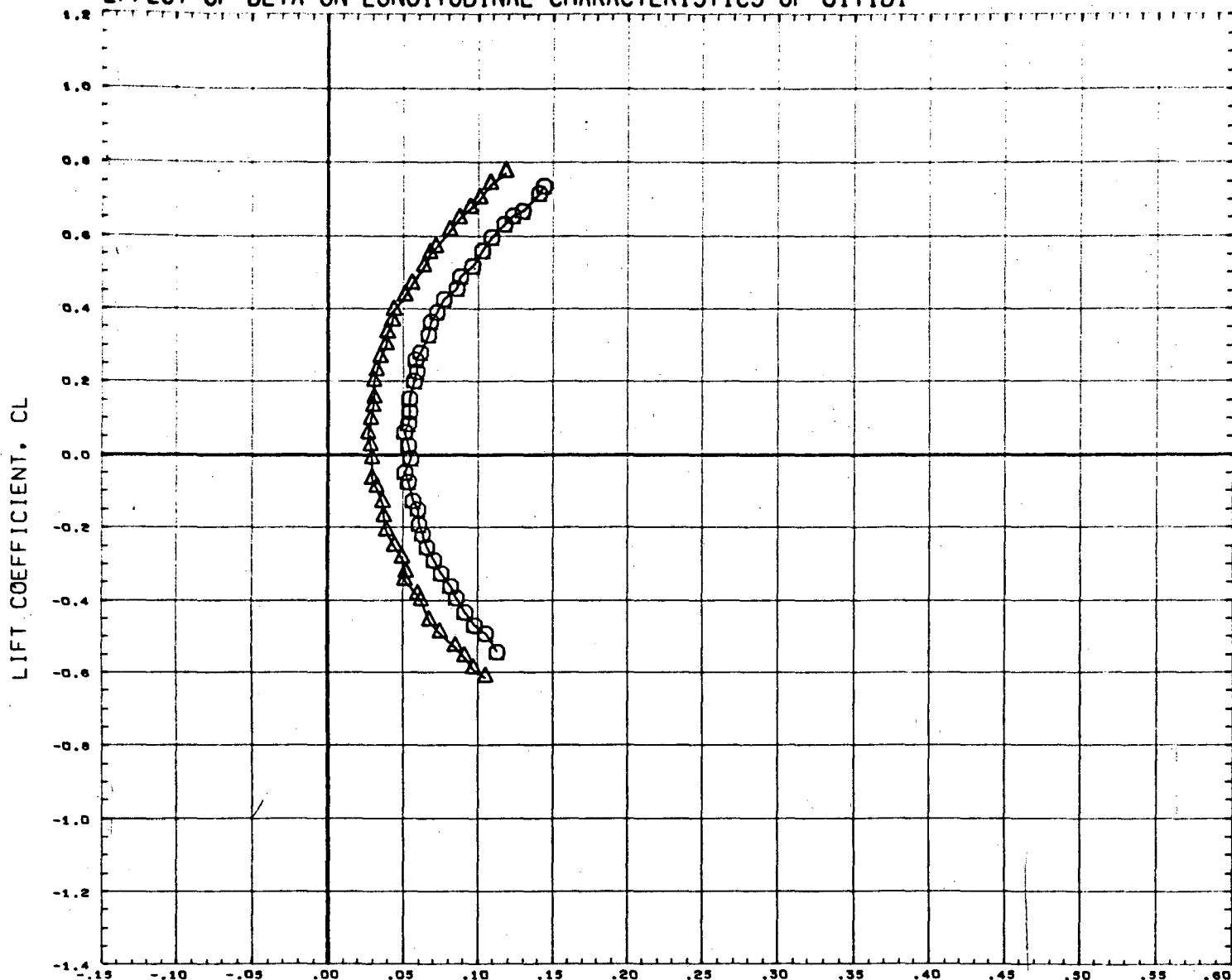
BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000

REFERENCE INFORMATION	
SREF	3155.3040 SQ.FT.
LREF	609.5004 IN.
BREF	882.0004 IN.
XMRP	557.0004 IN.
YMRP	0.0000 IN.
ZMRP	200.0004 IN.
SCALE	0.0060

MACH 4.47

PAGE 168

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7501) ○ MDAC S-222 COMPOSITE (T-CG) 01T1B1  
 (CD7502) △ MDAC S-222 COMPOSITE (T-CG) 01T1B1

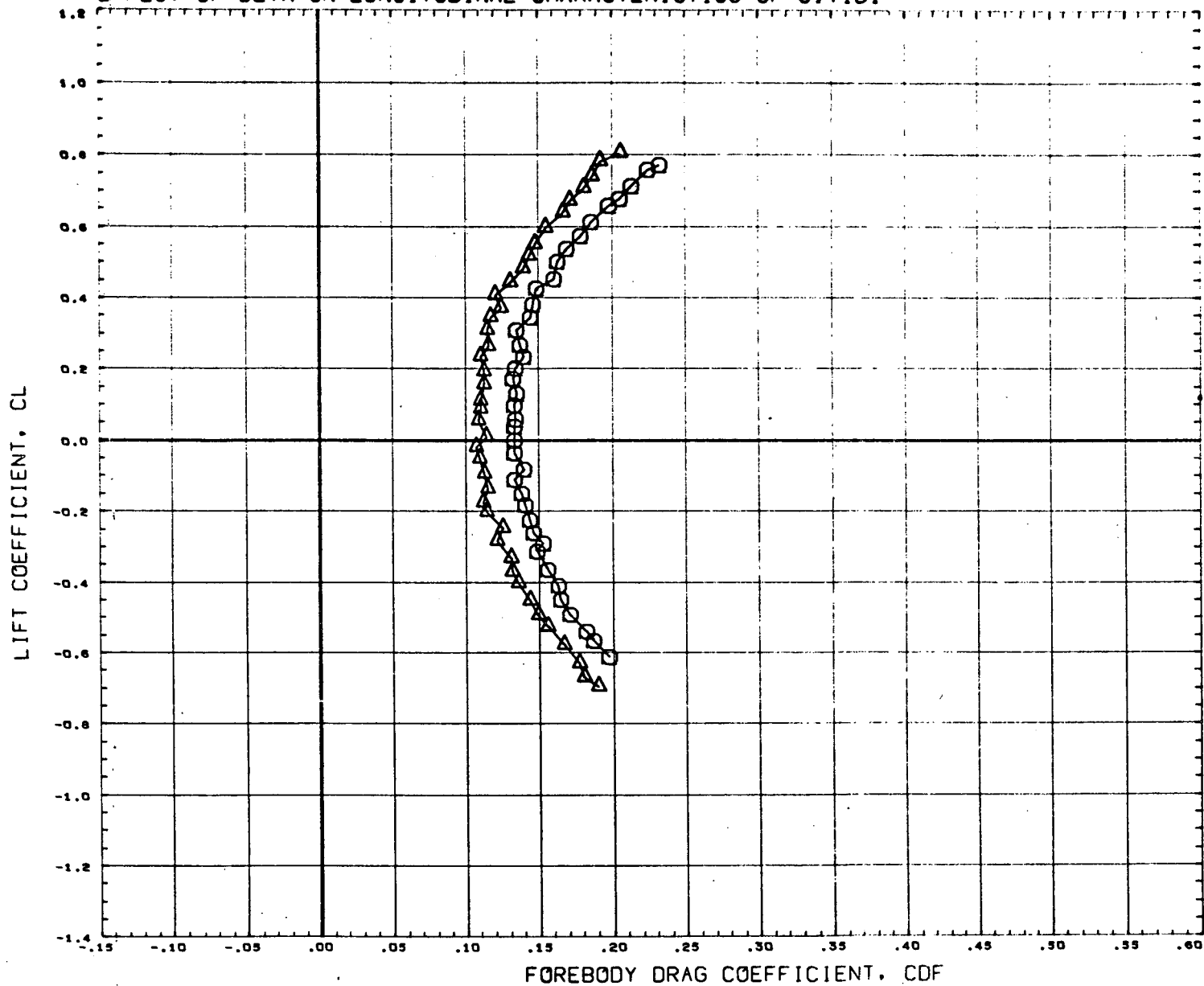
## FOREBODY DRAG COEFFICIENT, CDF

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	662.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .56

PAGE 169

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1



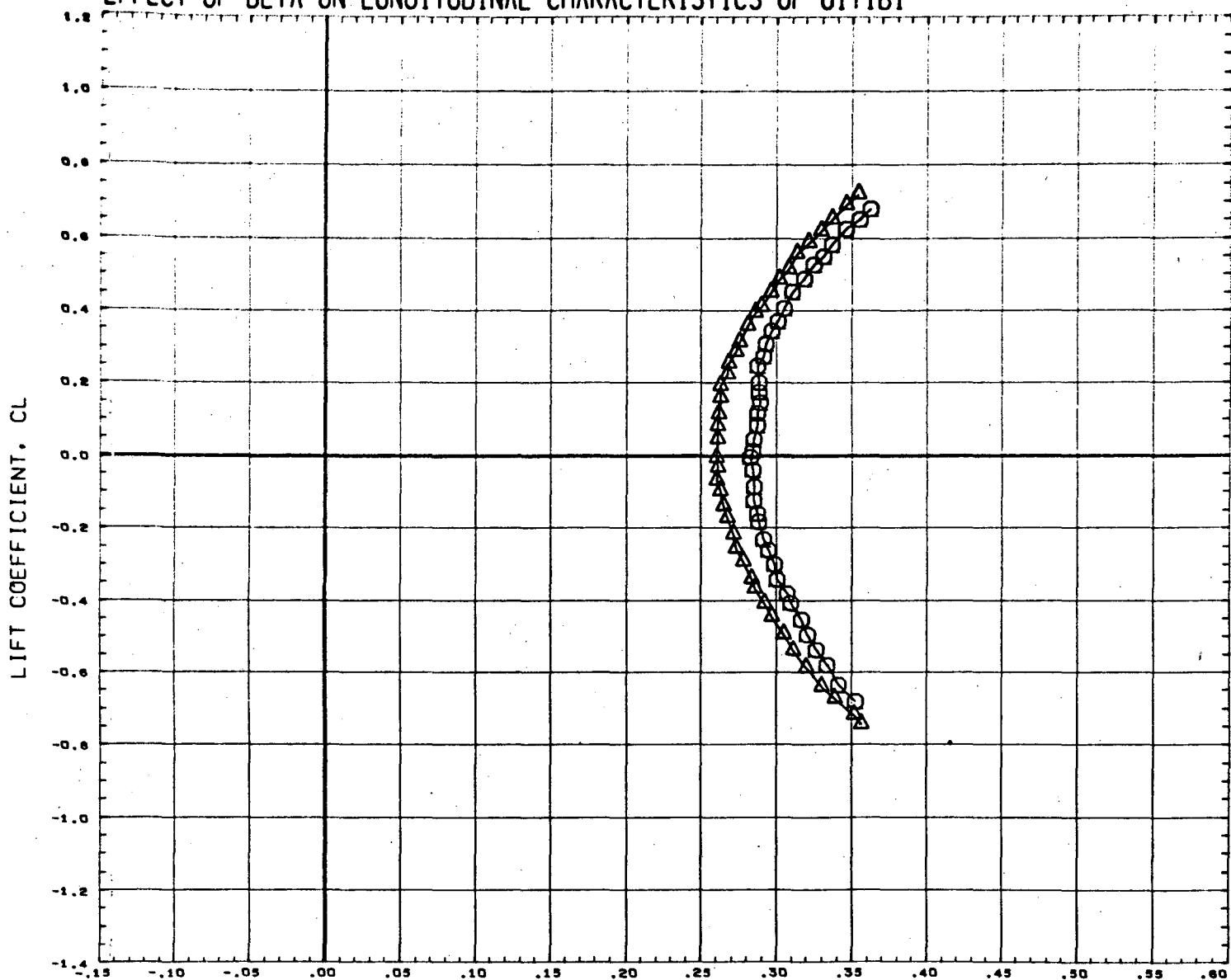
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(CD7501) ○ MDAC S-222 COMPOSITE (T-CG) 01T1B1  
(CD7502) △ MDAC S-222 COMPOSITE (T-CG) 01T1B1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.9004	IN.
				BREF	662.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH .89

PAGE 170

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7501) ○ MDAC S-222 COMPOSITE(T-CG) 01T1B1  
 (CD7502) △ MDAC S-222 COMPOSITE(T-CG) 01T1B1

FOREBODY DRAG COEFFICIENT, CDF

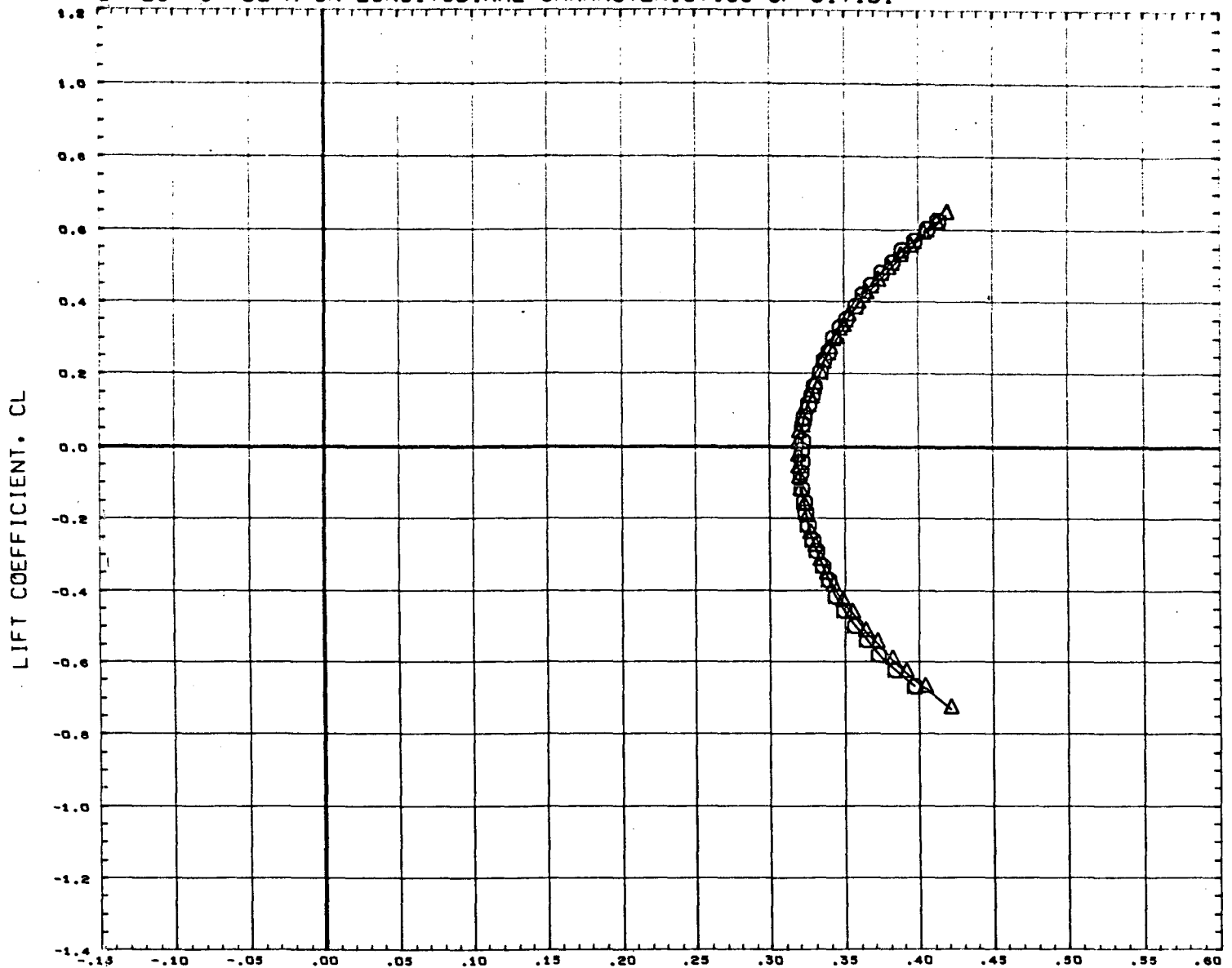
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH

1.09

PAGE 171

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7501) MDAC S-222 COMPOSITE(T-CG) 01T1B1  
 (CD7502) MDAC S-222 COMPOSITE(T-CG) 01T1B1

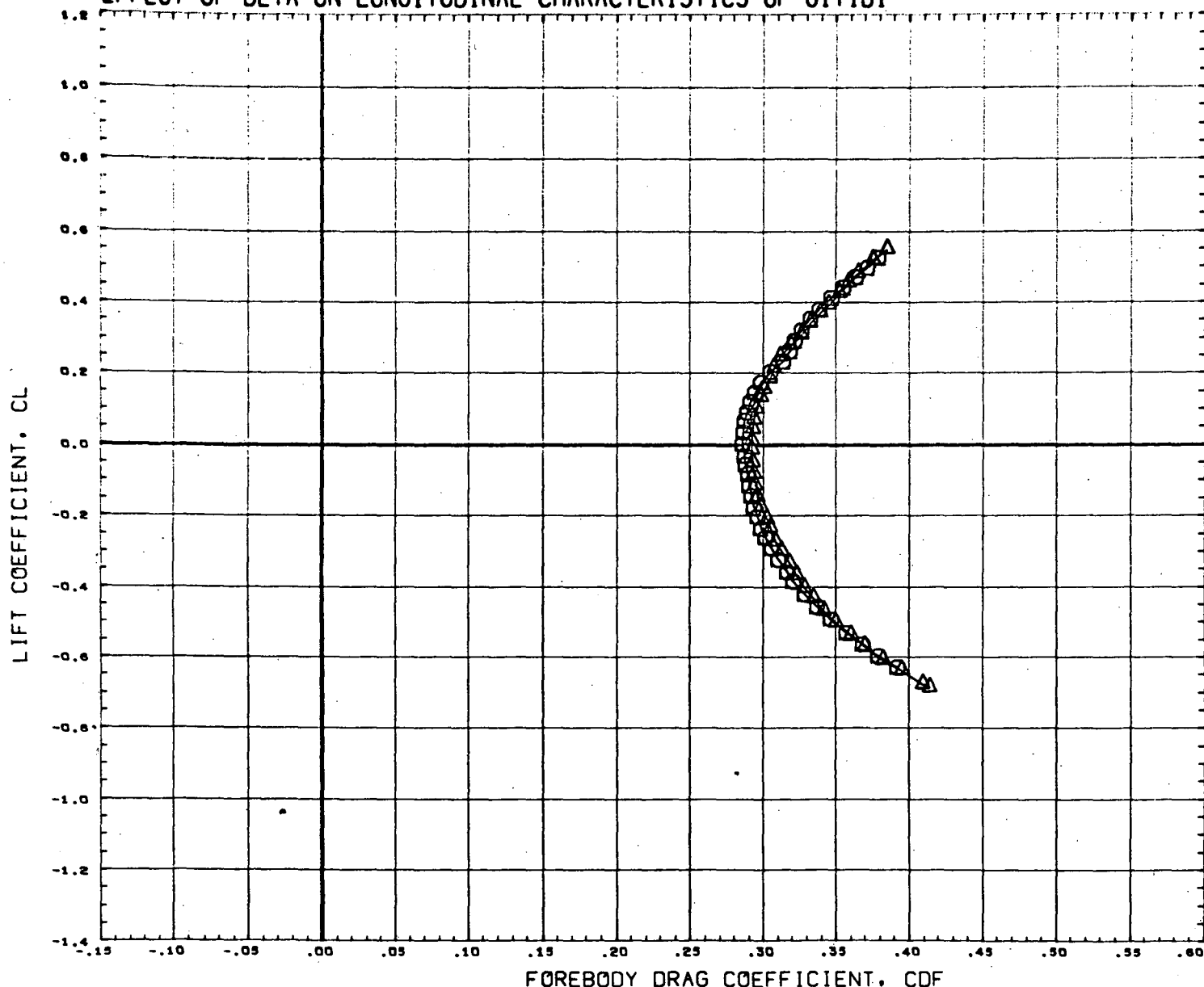
BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	597.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH 1.51

PAGE 172

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1



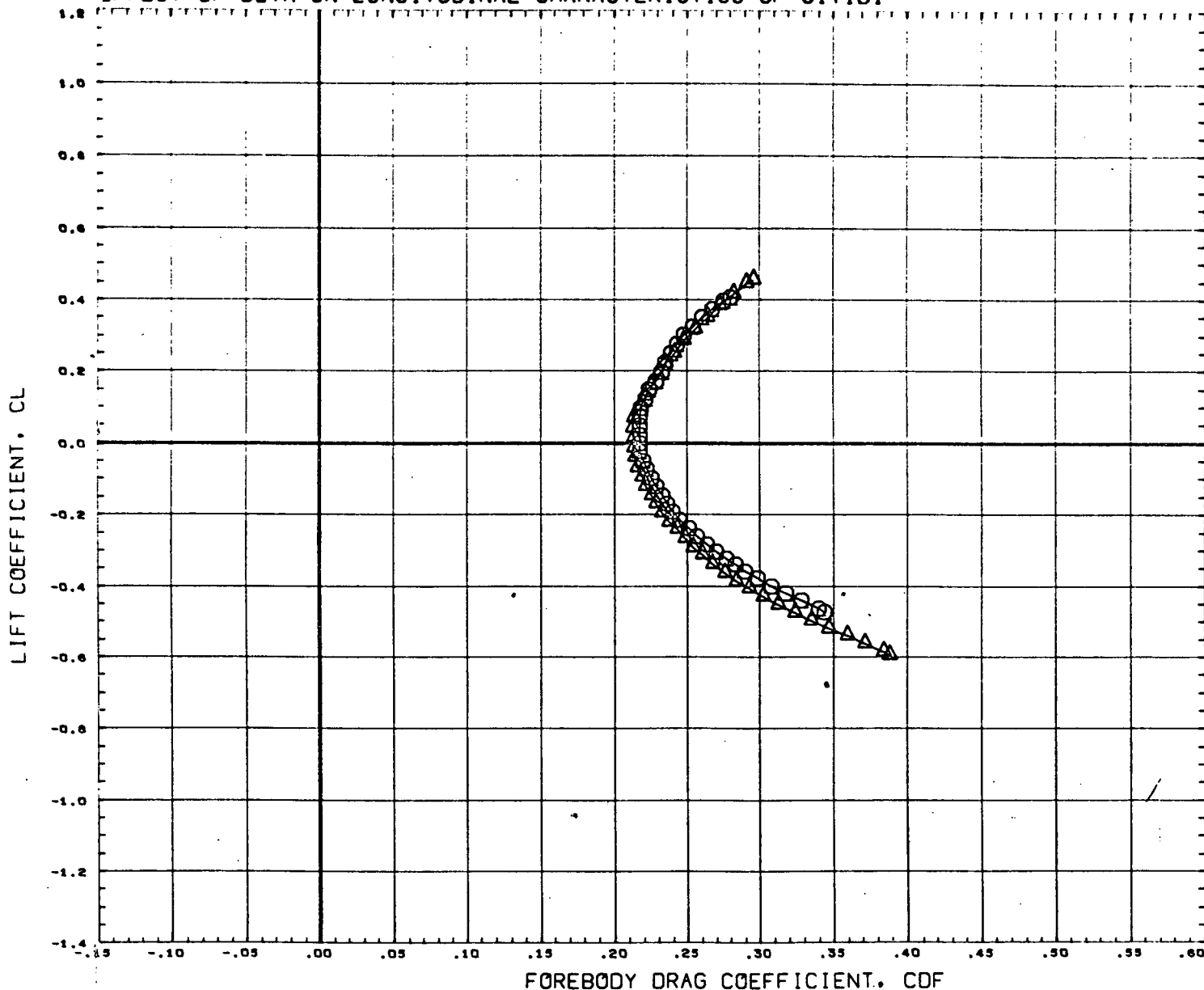
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
(CD7501)    ○    MDAC S-222 COMPOSITE (T-C6) 01T1B1  
(CD7502)    △    MDAC S-222 COMPOSITE (T-C6) 01T1B1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	862.0004 IN.
				XMRP	537.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH            2.20

PAGE    173

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(C07501)	MDAC S-222 COMPOSITE(T-CG) 01T1B1
(C07502)	MDAC S-222 COMPOSITE(T-CG) 01T1B1

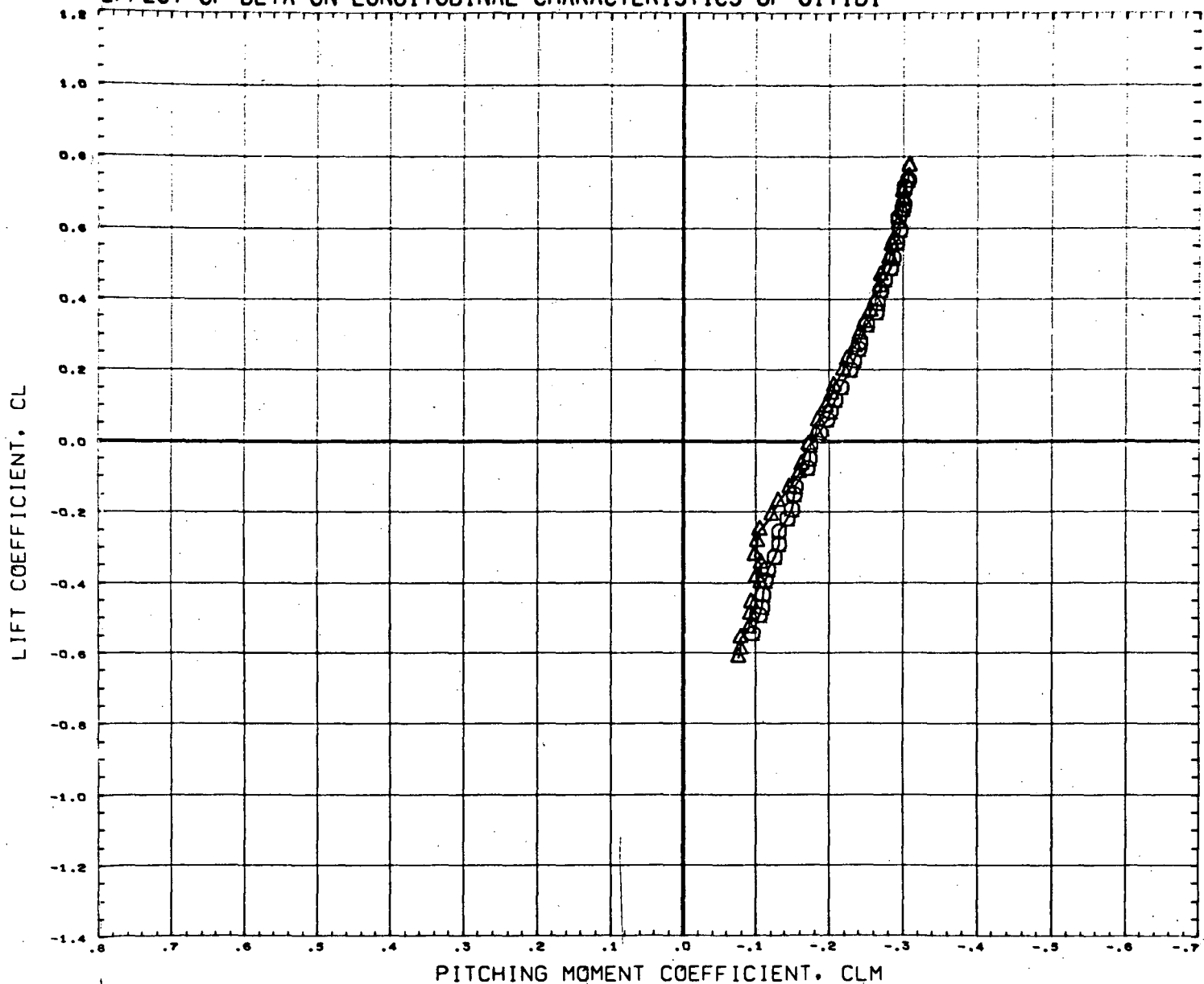
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF 609.5004 IN.
				BREF 882.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH 4.47

PAGE 174



# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1



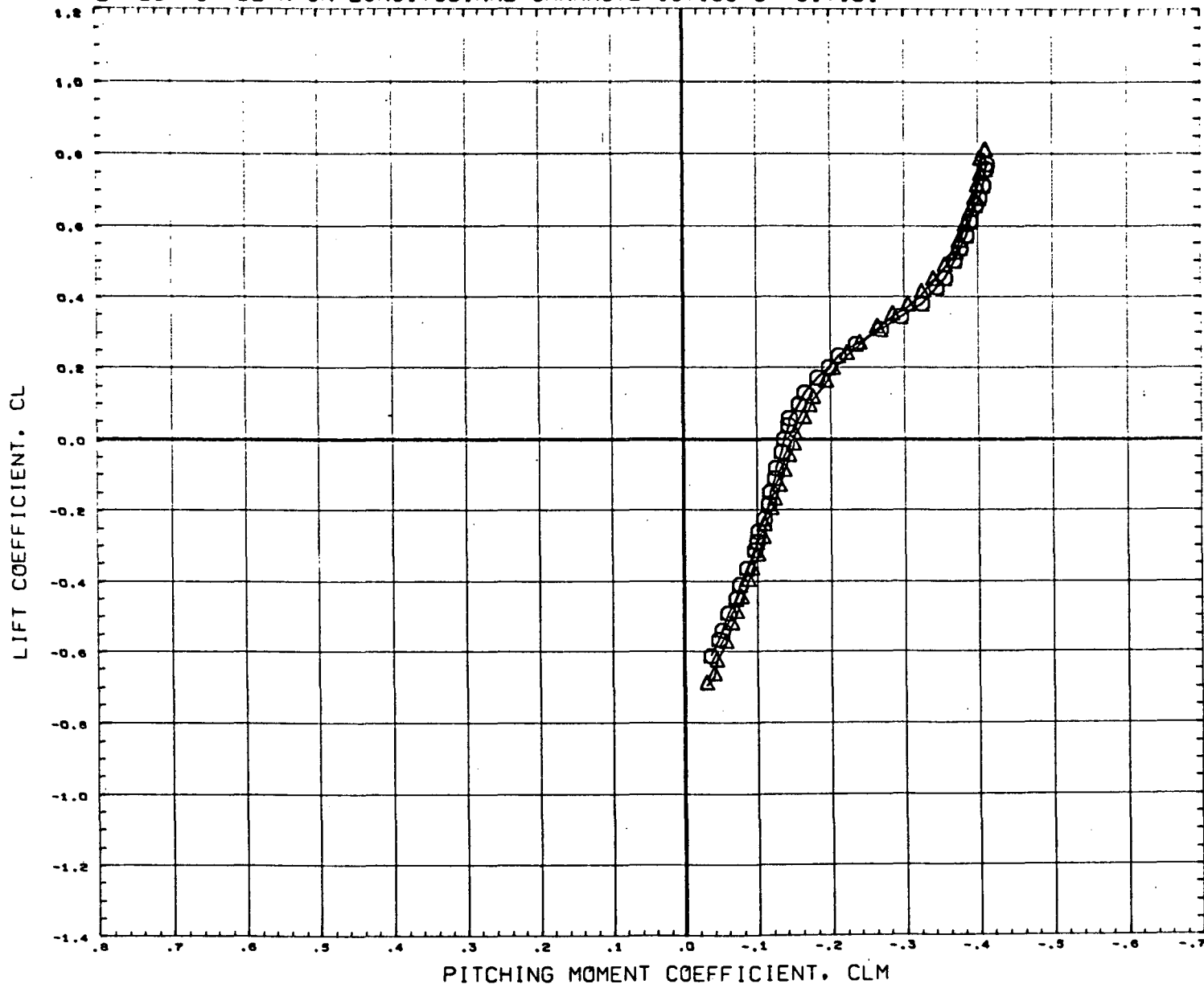
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(C07501)	MDAC S-222 COMPOSITE (T-CG) 01T1B1
(C07502)	MDAC S-222 COMPOSITE (T-CG) 01T1B1



BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF 609.5004 IN.
				BREF 882.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH .56

PAGE 175

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1



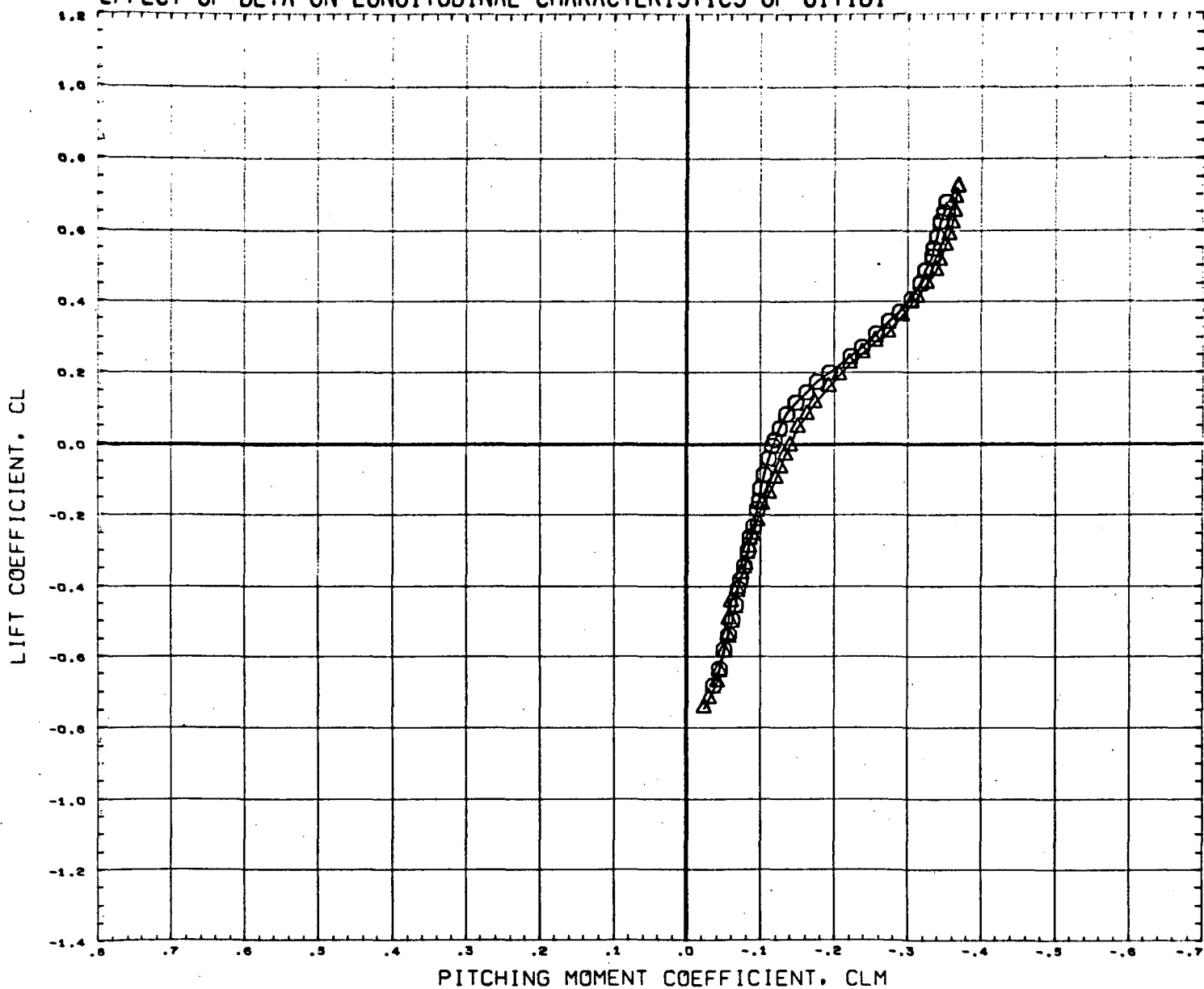
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7501)  MDAC S-222 COMPOSITE (T-CG) 01T1B1  
 (CD7502)  MDAC S-222 COMPOSITE (T-CG) 01T1B1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

PAGE 176

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1



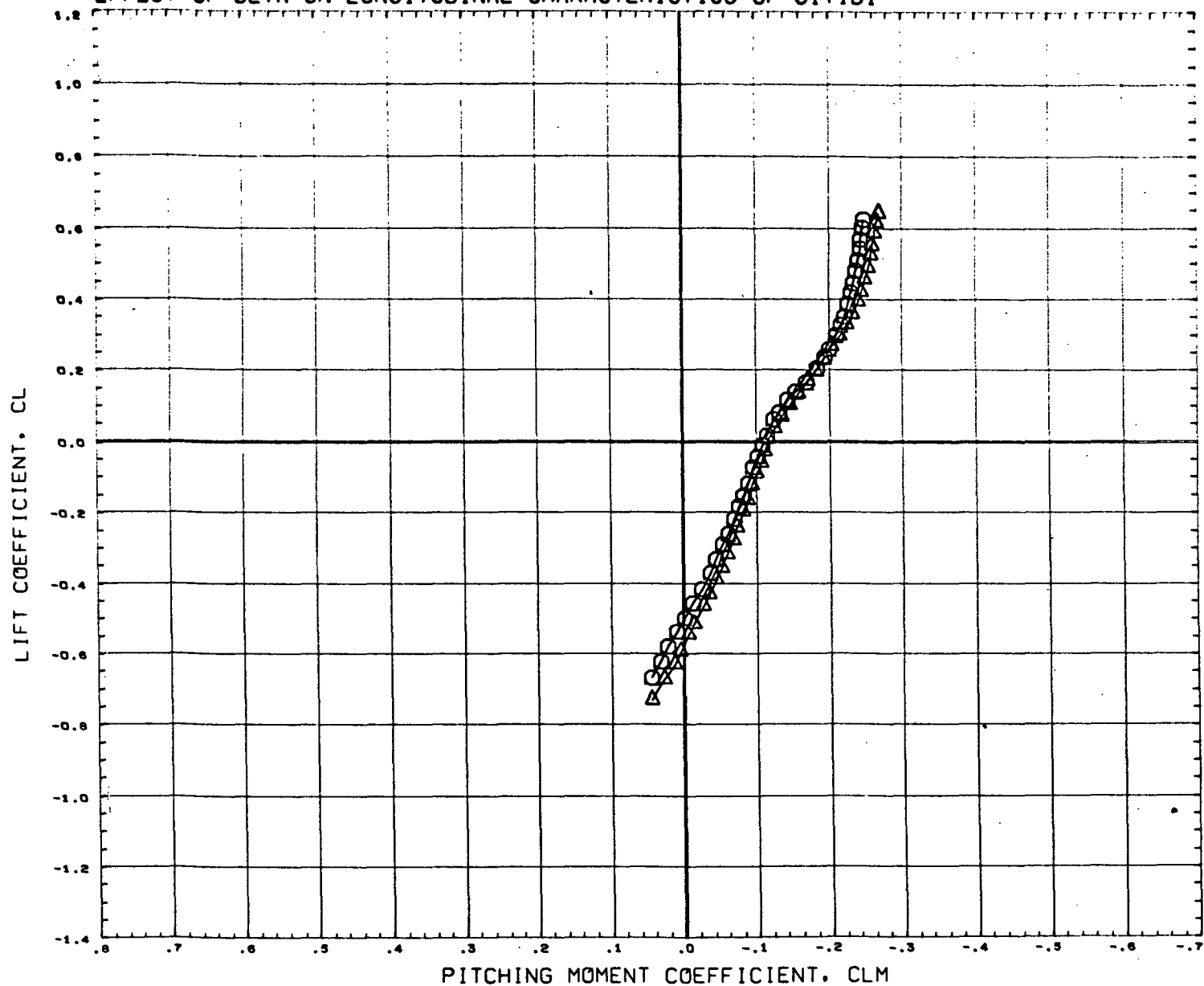
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7501)  $\bigcirc$  MDAC S-222 COMPOSITE (T-CG) 01T1B1  
 (CD7502)  $\triangle$  MDAC S-222 COMPOSITE (T-CG) 01T1B1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.09

PAGE 177

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(C07501)	MDAC S-222 COMPOSITE (T-CG) 01T1B1
(C07502)	MDAC S-222 COMPOSITE (T-CG) 01T1B1

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000

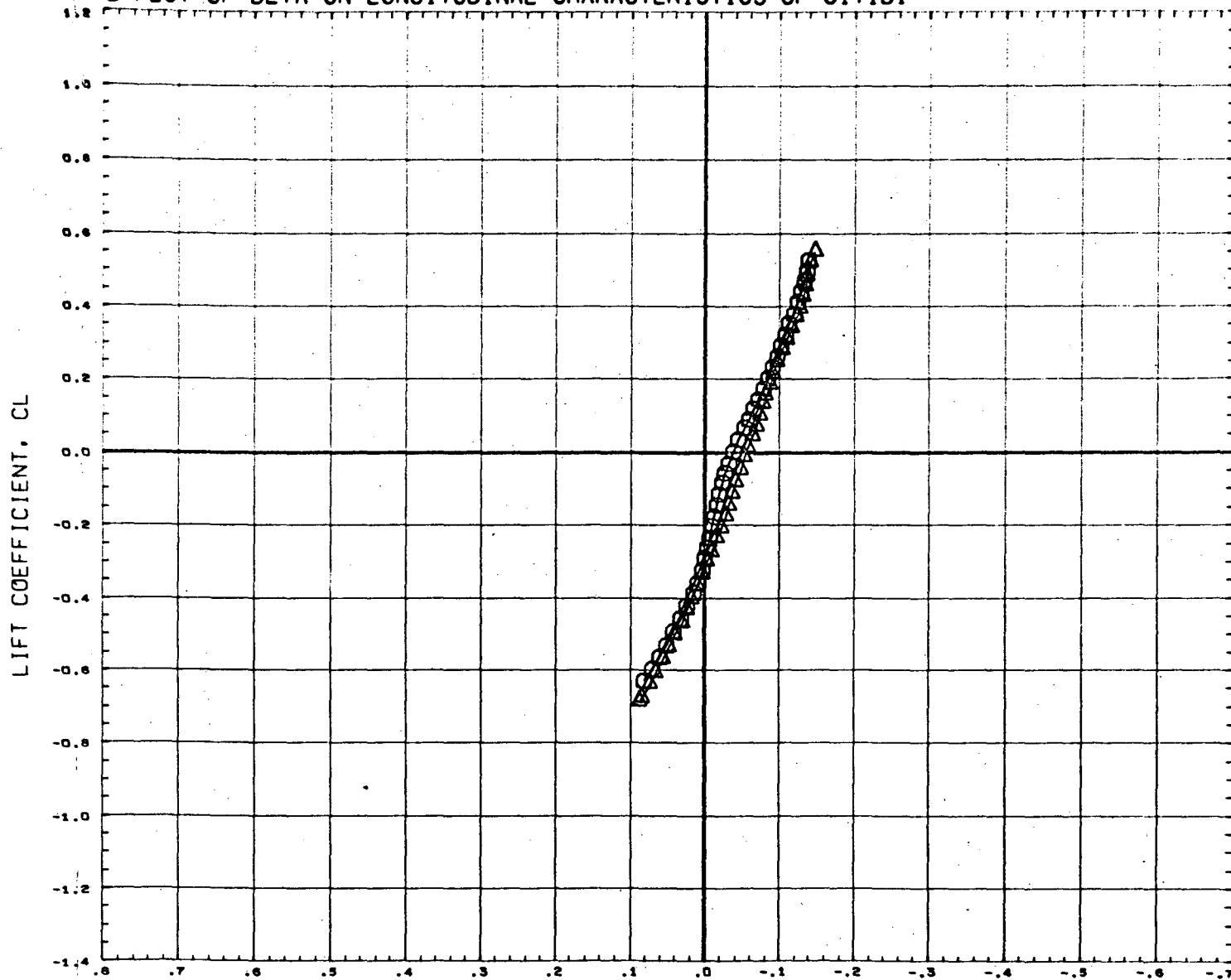
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMNP	557.0004	IN.
YMNP	0.0000	IN.
ZMNP	200.0004	IN.
SCALE	0.0060	

MACH

1.51

PAGE 178

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B1



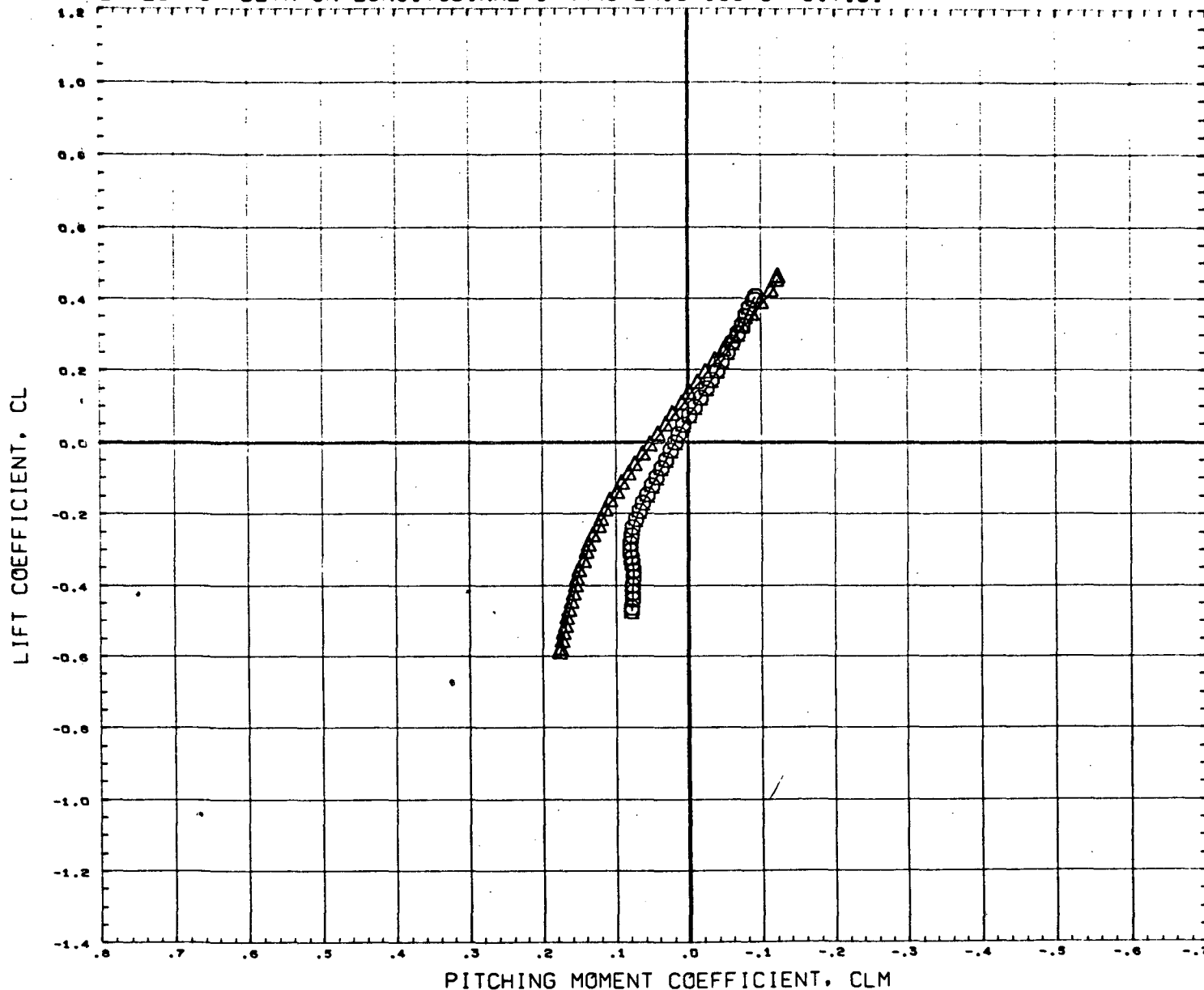
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (C07501)    MDAC S-222 COMPOSITE(T-CG) 01T1B1  
 (C07502)    MDAC S-222 COMPOSITE(T-CG) 01T1B1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	882.0004 IN.
				XMRP	957.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH            2.20

PAGE    179

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 0111B1



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7501)	MDAC S-222 COMPOSITE (T-C6) 0111B1
(CD7502)	MDAC S-222 COMPOSITE (T-C6) 0111B1

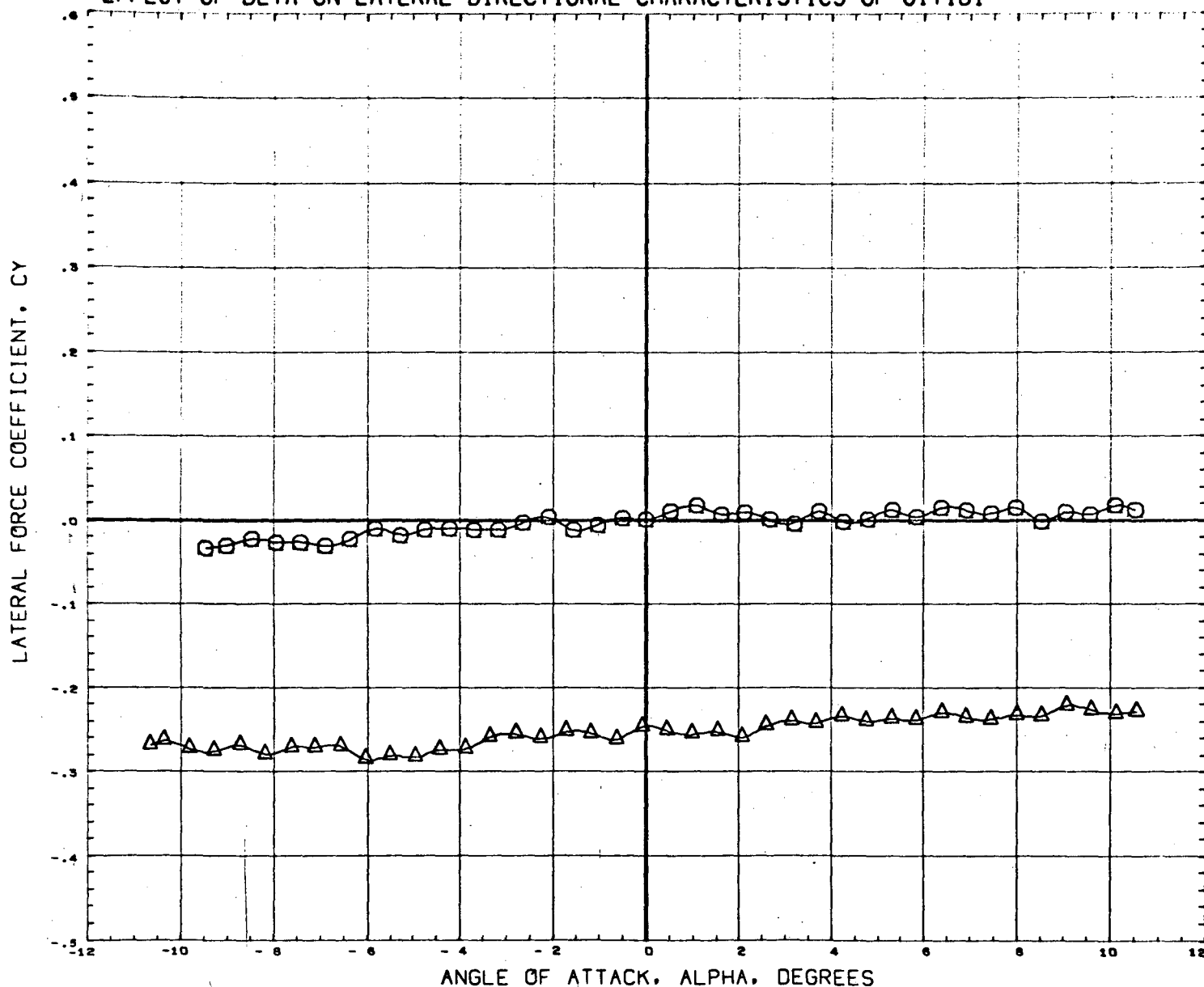
BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	



MACH 4.47

PAGE 180

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T1B1



DATA SET SYMBOL CONFIGURATION DESCRIPTION

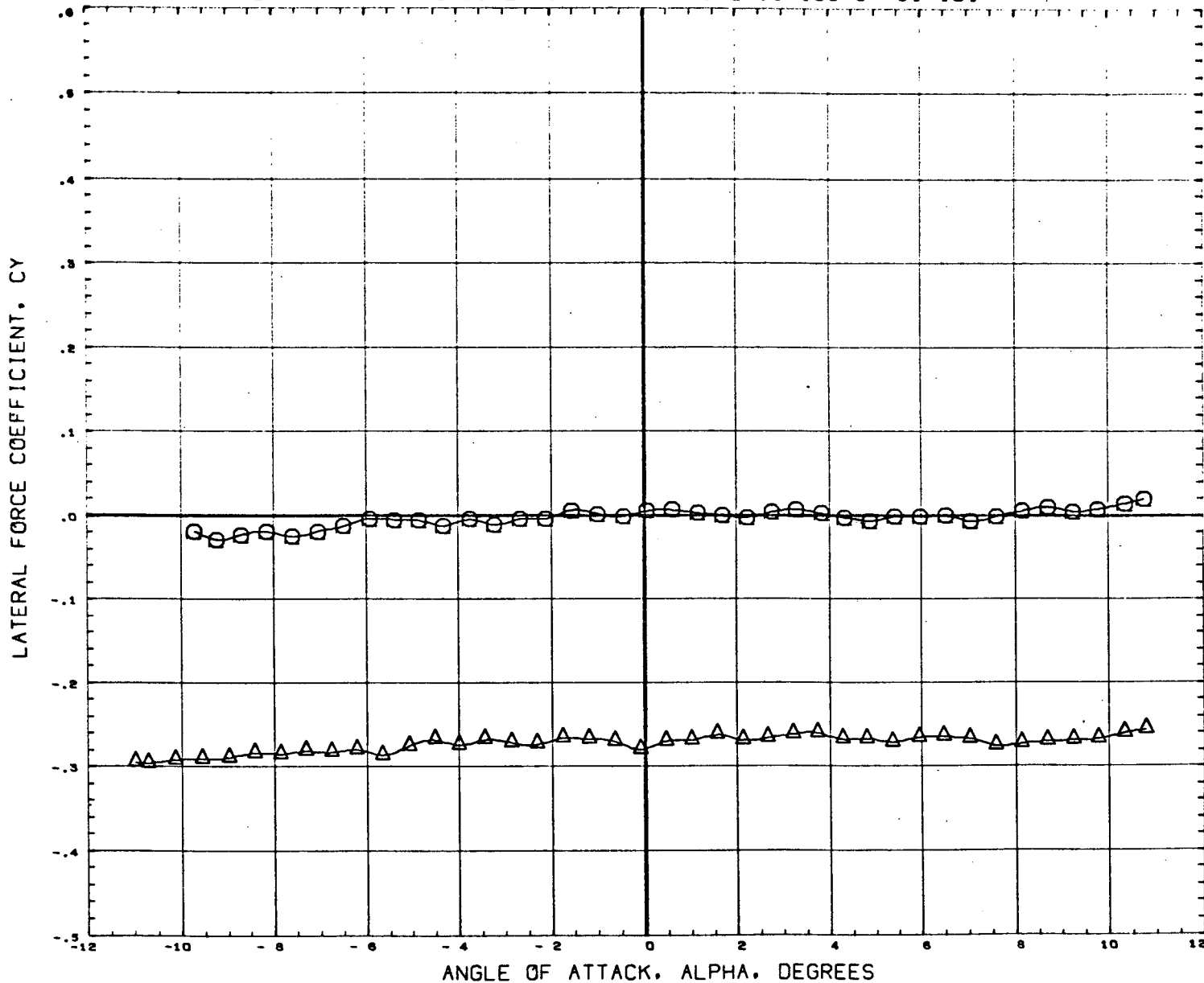
(RD7501)  MDAC S-222 COMPOSITE (T-CG) 01T1B1  
 (RD7502)  MDAC S-222 COMPOSITE (T-CG) 01T1B1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	662.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .56

PAGE 181

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T1B1



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD7501)	MDAC S-222 COMPOSITE (T-CG) 01T1B1
(RD7502)	MDAC S-222 COMPOSITE (T-CG) 01T1B1

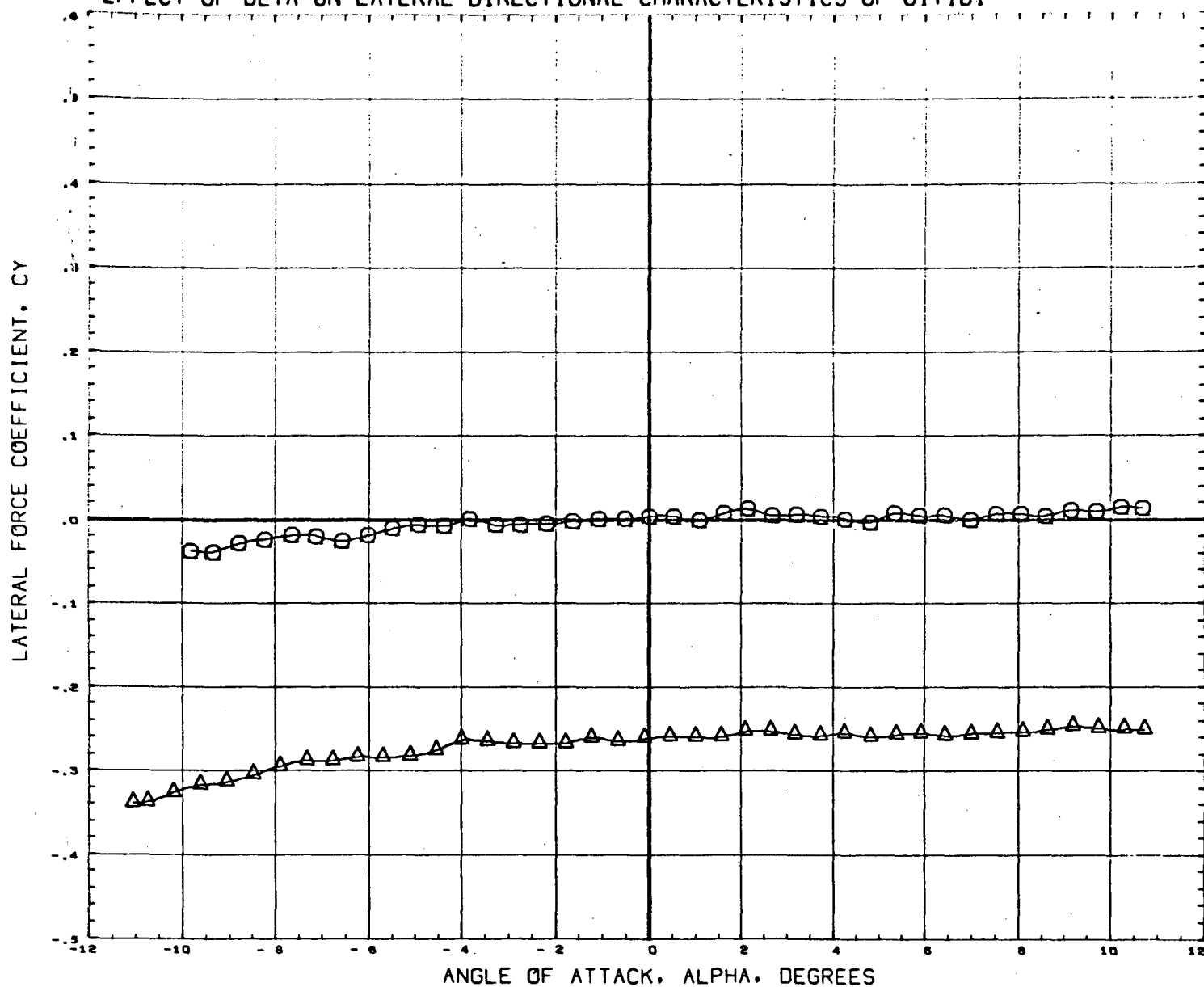
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF 609.5004 IN.
				BREF 682.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH .89

PAGE 182



# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T1B1



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RD7501)  $\bigcirc$  MDAC S-222 COMPOSITE (T-CG) 01T1B1

(RD7502)  $\triangle$  MDAC S-222 COMPOSITE (T-CG) 01T1B2

BETA ELEVTR AILRON RUDDER

0.000 0.000 0.000 0.000

6.000 0.000 0.000 0.000

REFERENCE INFORMATION

SREF 3155.3040 SQ.FT.  
LREF 609.5004 IN.  
BREF 662.0004 IN.  
XMRP 557.0004 IN.  
YMRP 0.0000 IN.  
ZMRP 200.0004 IN.  
SCALE 0.0060

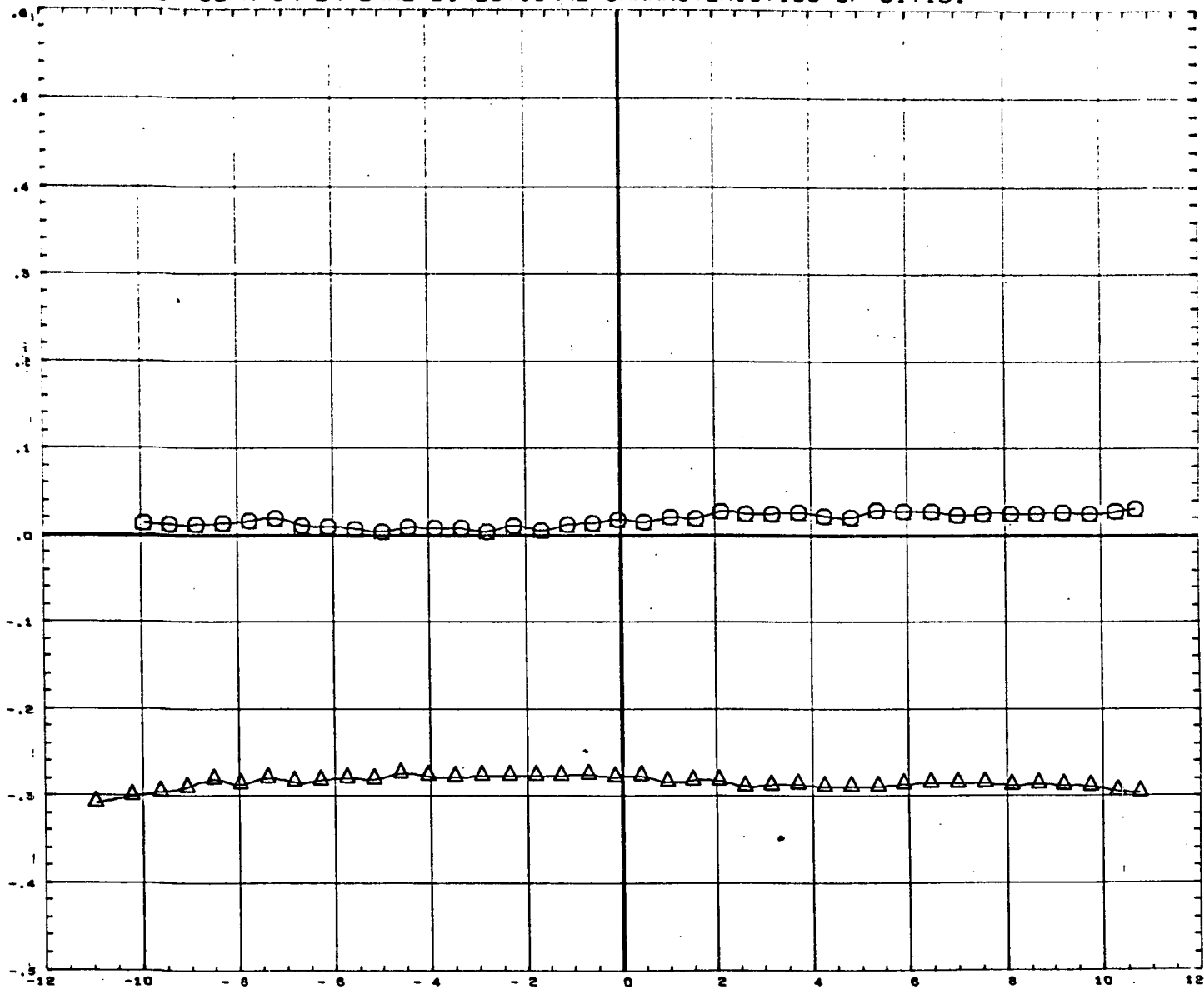
MACH

1.09

PAGE 183

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T1B1

LATERAL FORCE COEFFICIENT, CY



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RD7501) MDAC S-222 COMPOSITE (T-CG) 01T1B1  
 (RD7502) MDAC S-222 COMPOSITE (T-CG) 01T1B1

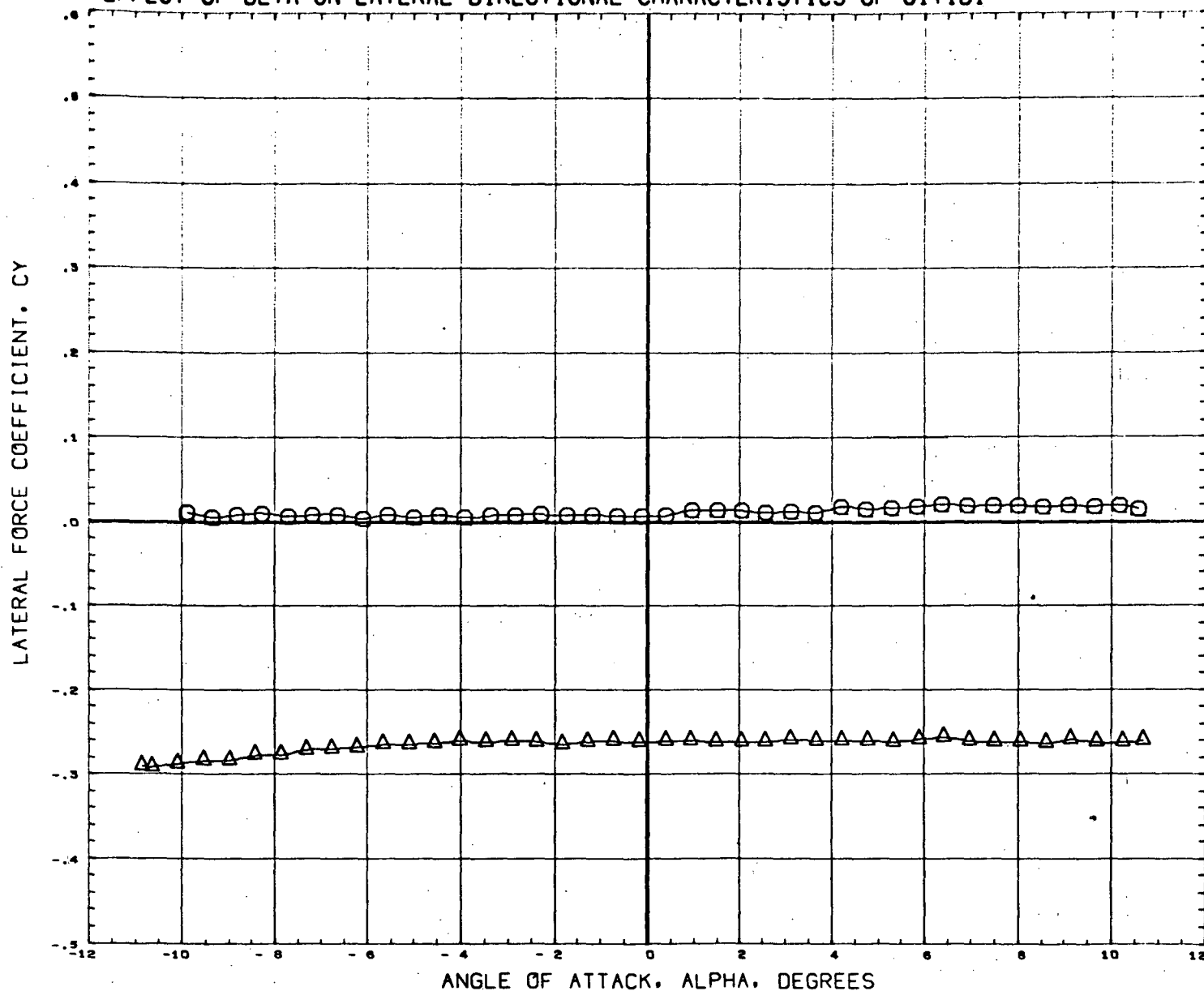
BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 6.000 0.000 0.000 0.000

REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 957.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060



MACH 1.51

PAGE 184

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T1B1



DATA SET SYMBOL CONFIGURATION DESCRIPTION

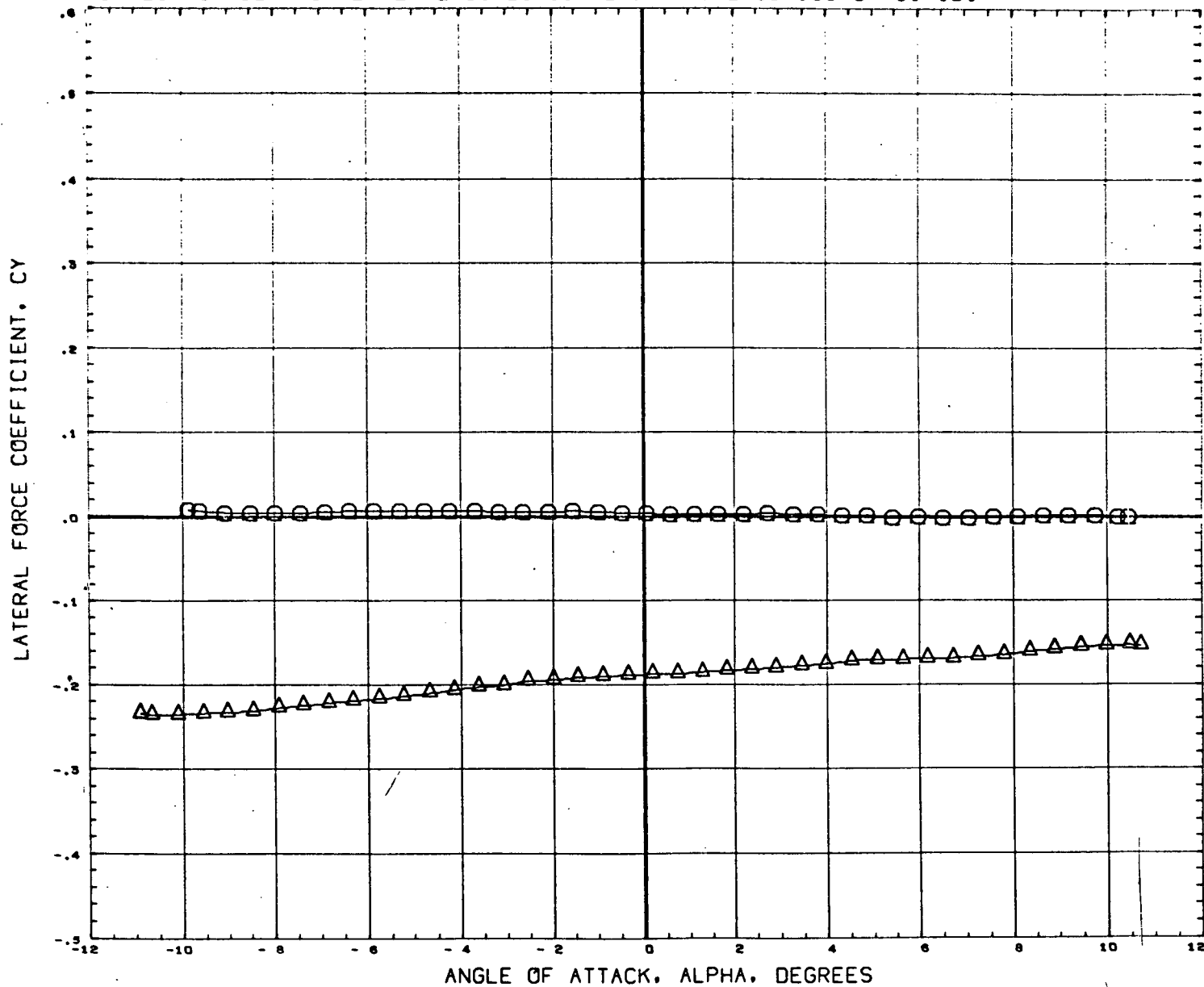
(RD7501)  MDAC S-222 COMPOSITE (T-CG) 01T1B1  
 (RD7502)  MDAC S-222 COMPOSITE (T-CG) 01T1B1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ. FT.
6.000	0.000	0.000	0.000	LREF	609.3004	IN.
				BREF	882.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH 2.20

PAGE 185

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T1B1

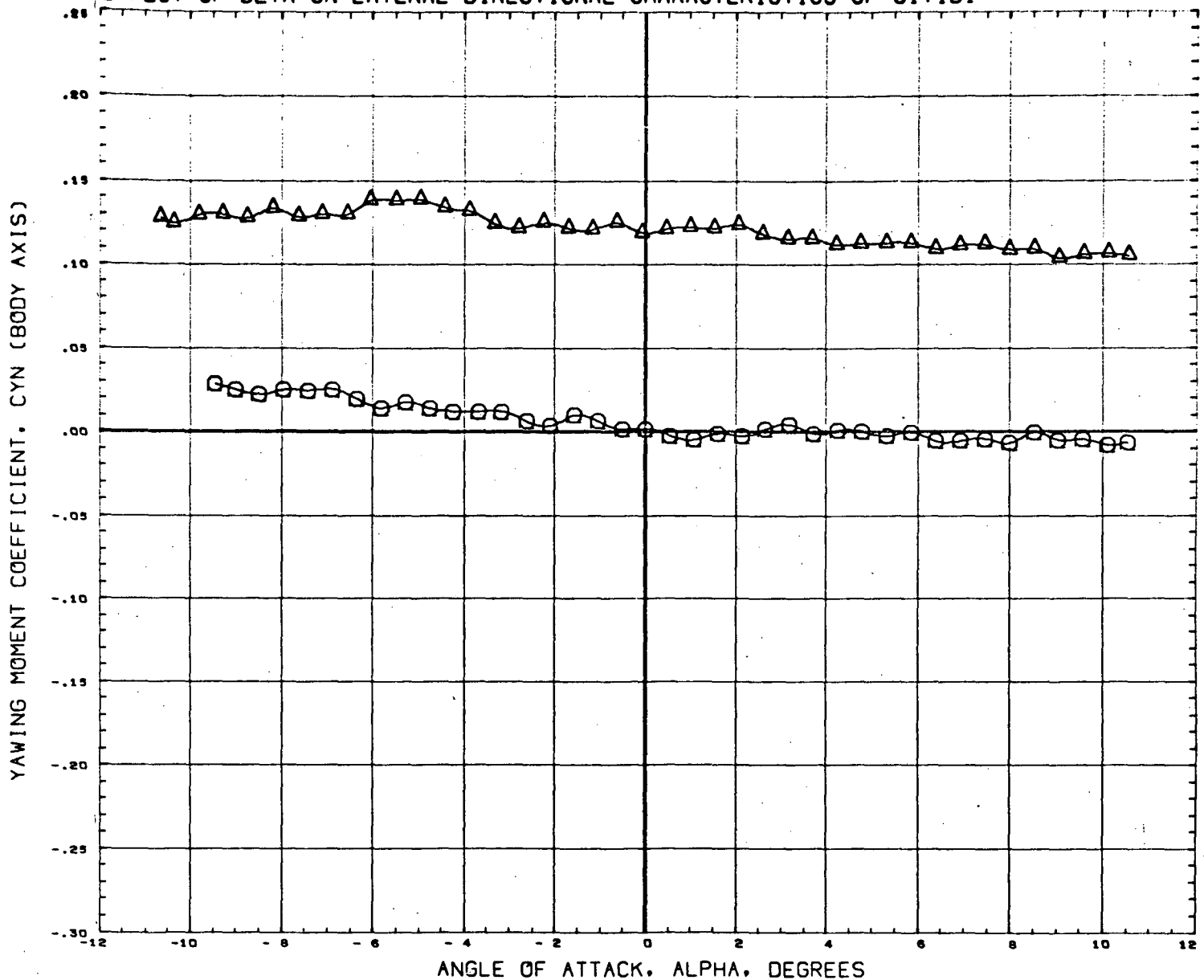


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7501)	MDAC S-222 COMPOSITE (T-CG) 01T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7502)	MDAC S-222 COMPOSITE (T-CG) 01T1B1	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 186

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T1B1



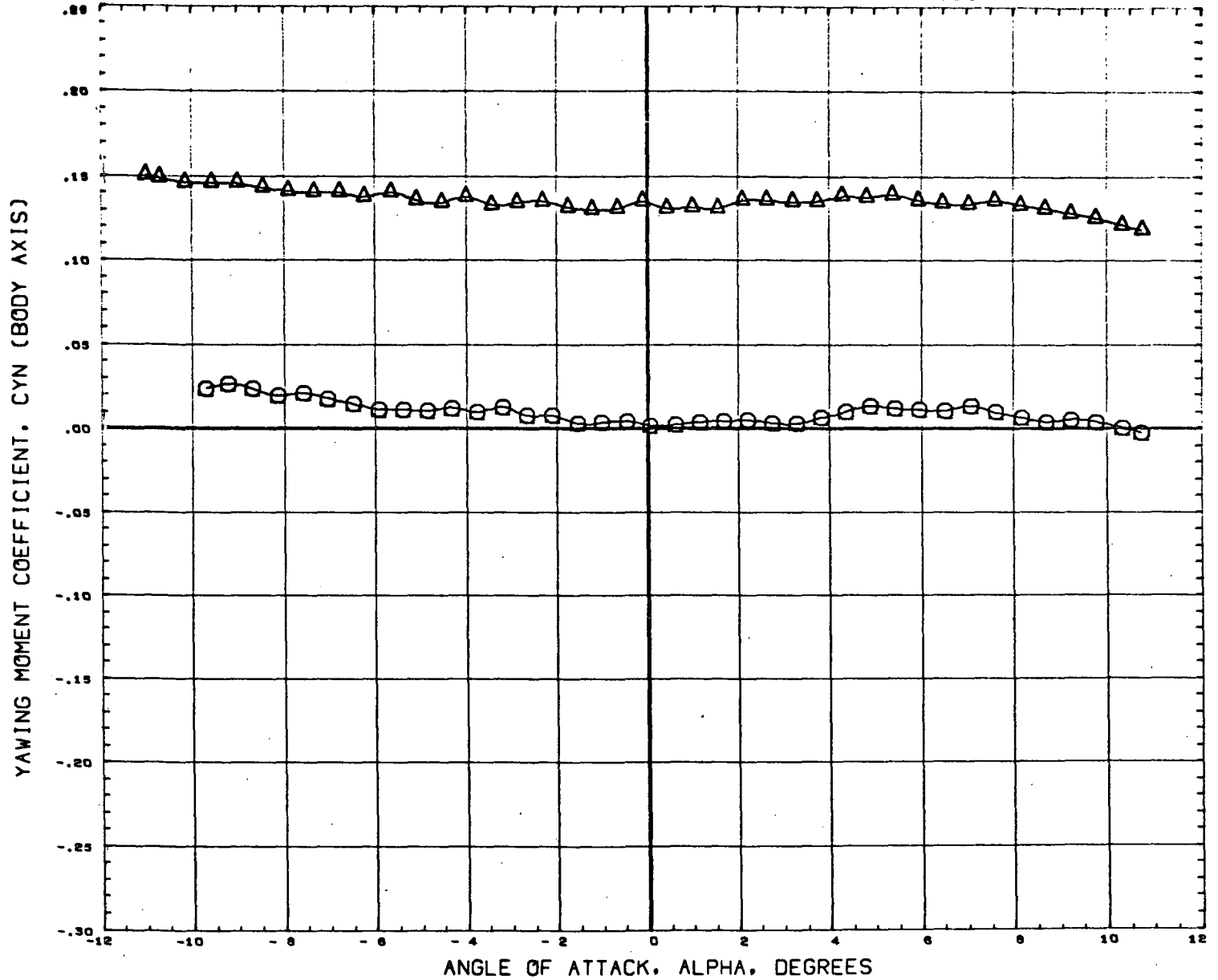
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RD7501) MDAC S-222 COMPOSITE(T-CG) 01T1B1  
(RD7502) MDAC S-222 COMPOSITE(T-CG) 01T1B1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .56

PAGE 187

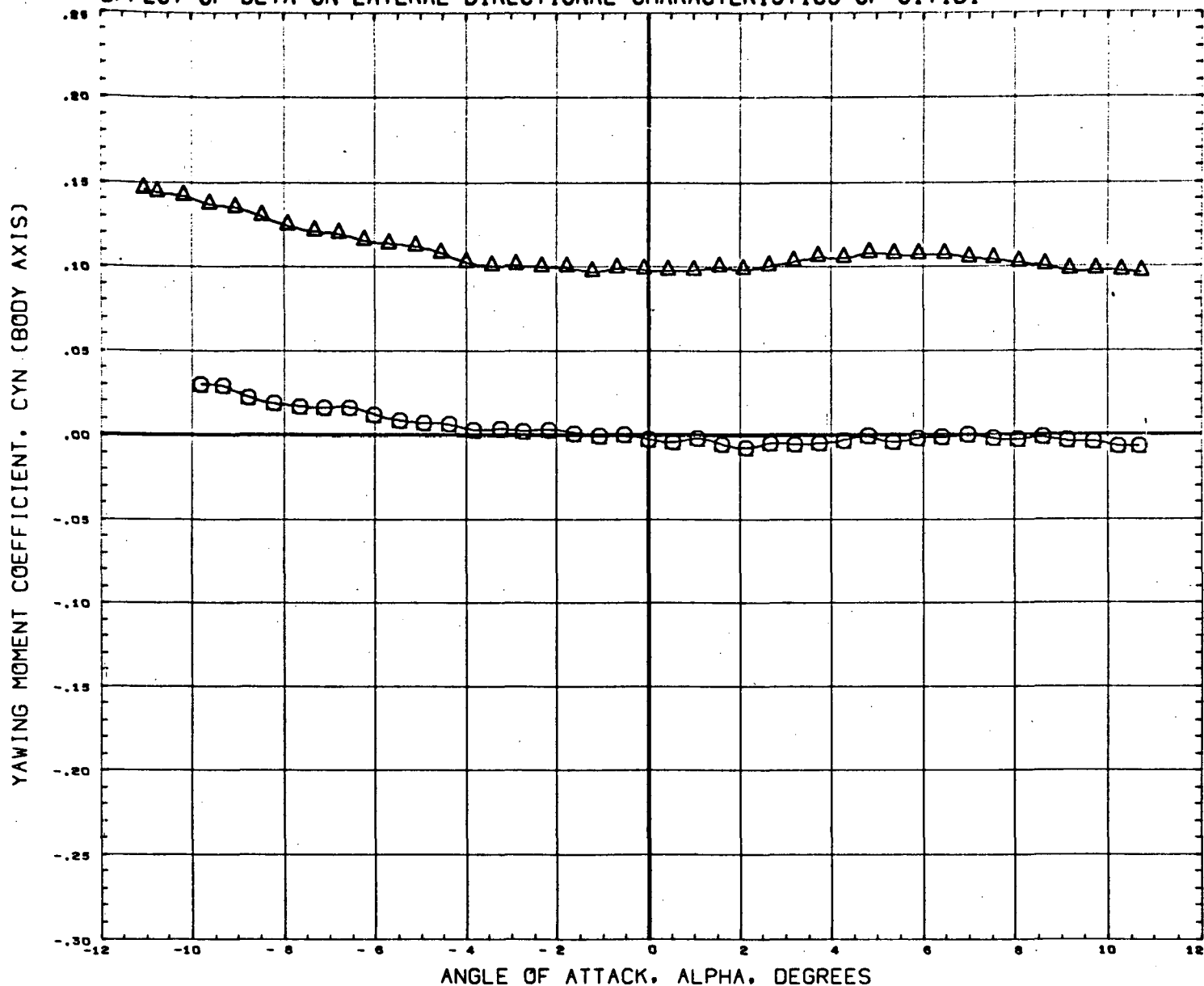
# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 011B1



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(R07501)	MDAC S-222 COMPOSITE (T-CG) 011B1
(R07502)	MDAC S-222 COMPOSITE (T-CG) 011B1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF 609.5004 IN.
				BREF 662.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T1B1



DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (RD7501)     $\bigcirc$     MDAC S-222 COMPOSITE (T-CG) 01T1B1  
 (RD7502)     $\triangle$     MDAC S-222 COMPOSITE (T-CG) 01T1B1

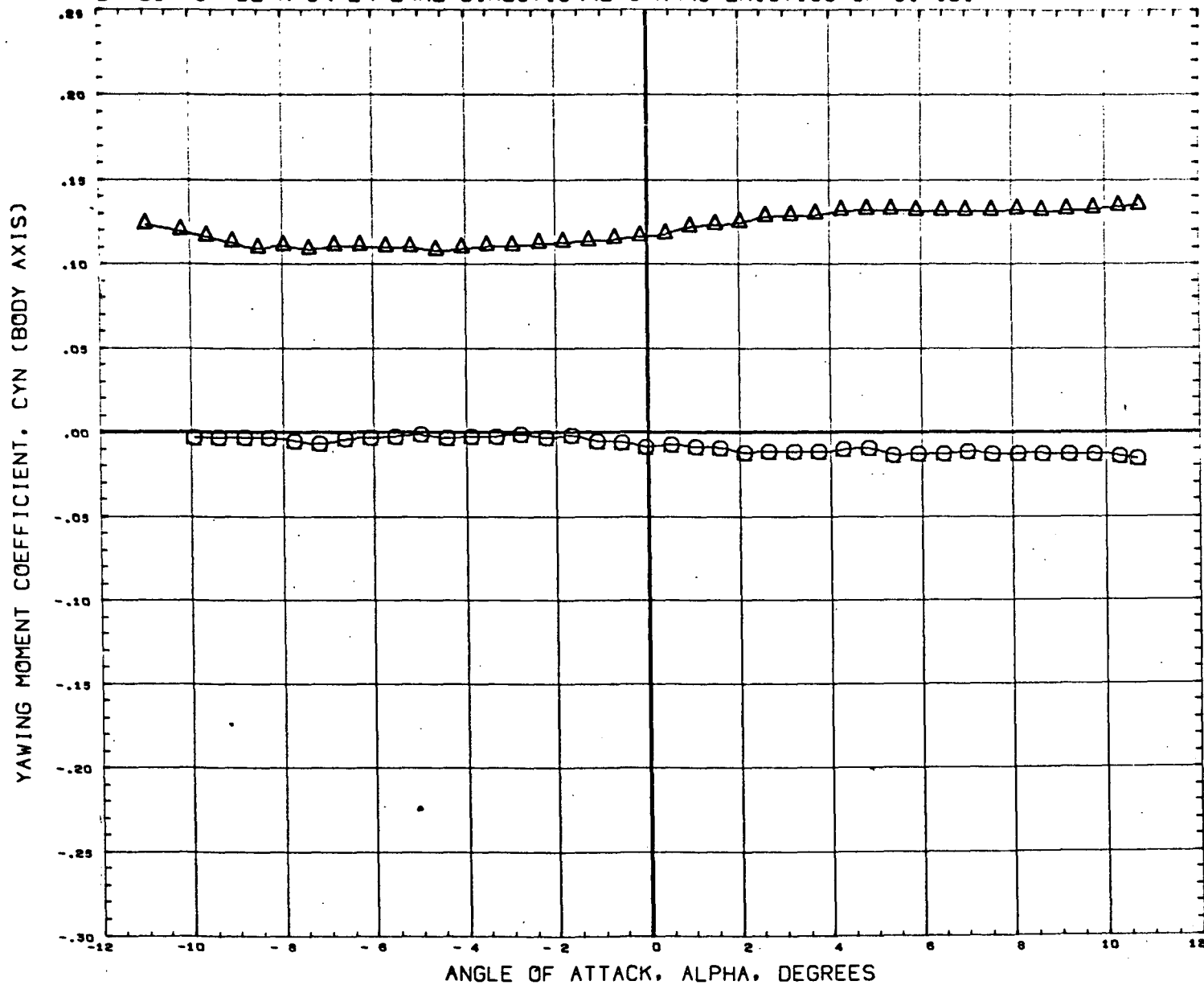
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH

1.09

PAGE 189

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T1B1



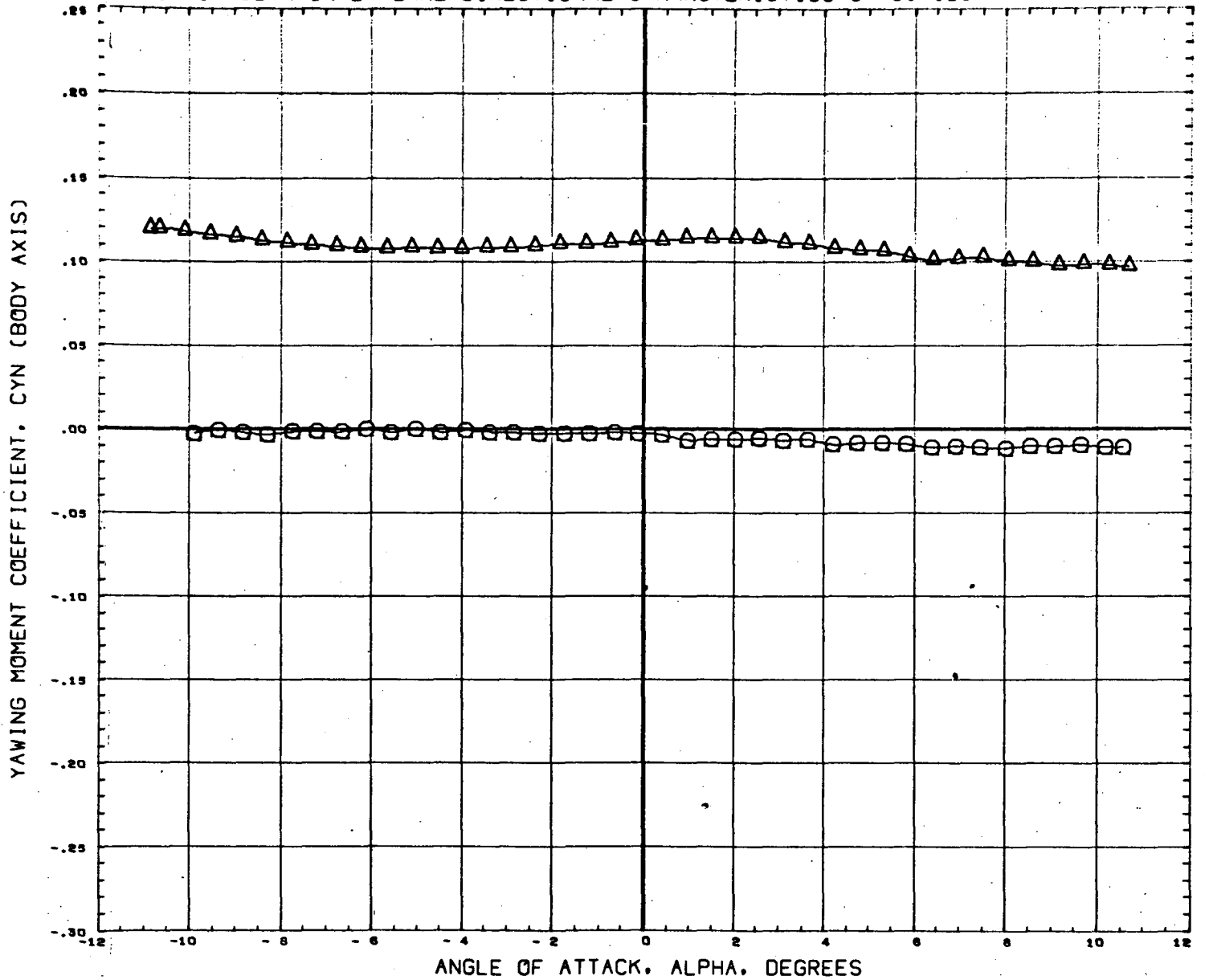
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7501)	Q MDAC S-222 COMPOSITE (T-CG) 01T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7502)	Q MDAC S-222 COMPOSITE (T-CG) 01T1B1	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH 1.51

PAGE 190



# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T1B1



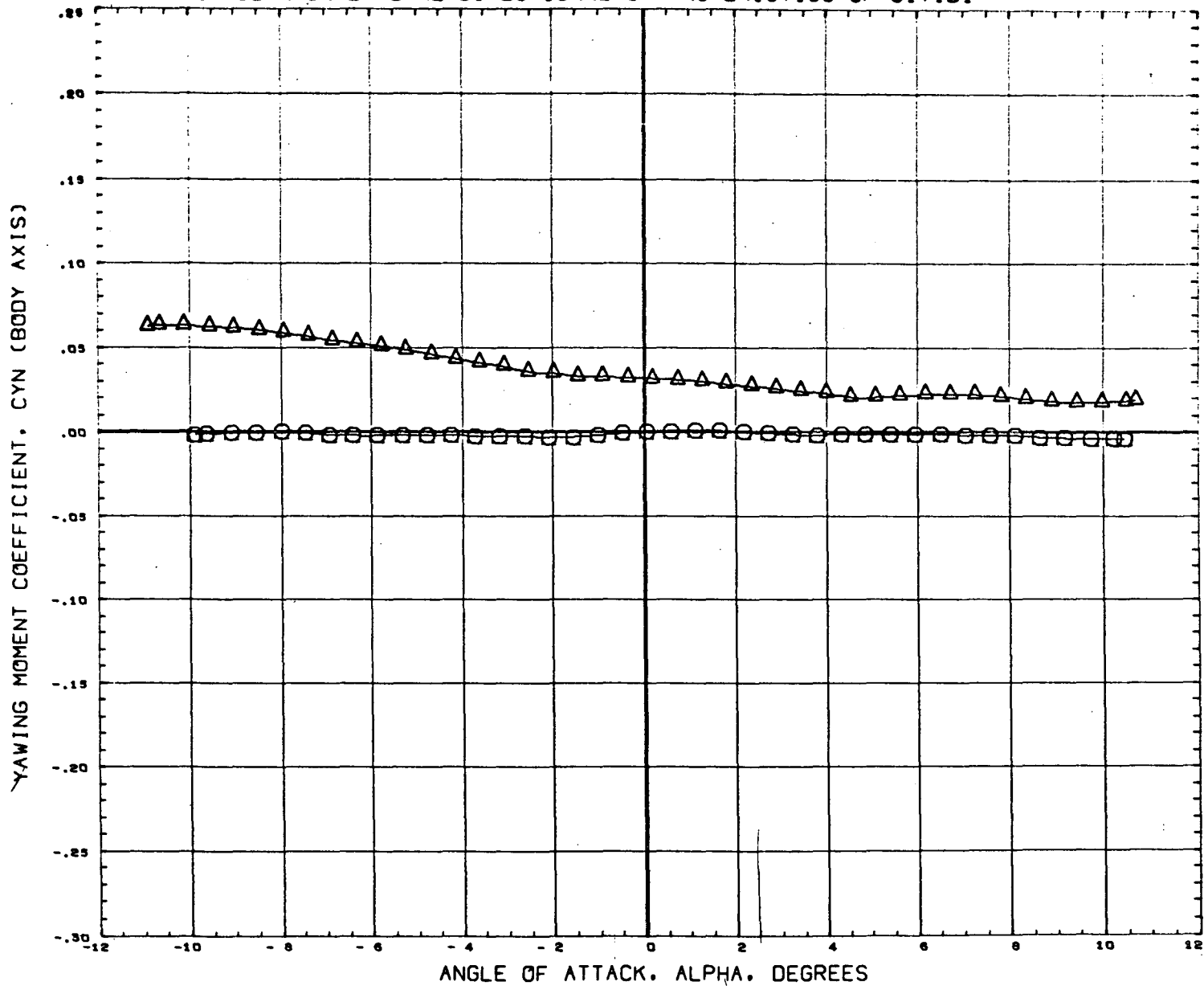
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
(RD7501)       MDAC S-222 COMPOSITE (T-CG) 01T1B1  
(RD7502)       MDAC S-222 COMPOSITE (T-CG) 01T1B1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	357.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH    2.20

PAGE    191

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T1B1



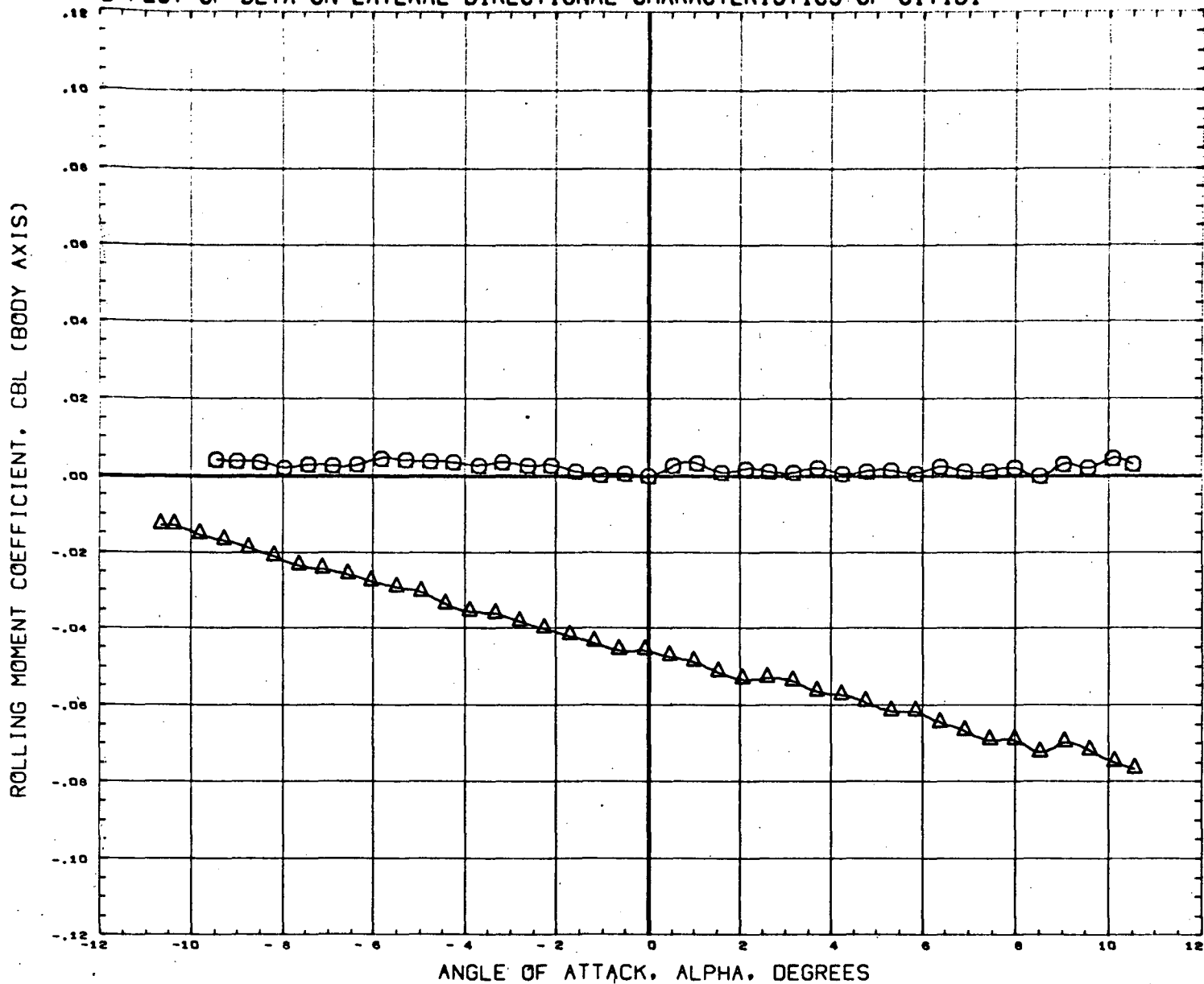
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RD7501)  $\square$  MDAC S-222 COMPOSITE (T-CG) 01T1B1  
(RD7502)  $\triangle$  MDAC S-222 COMPOSITE (T-CG) 01T1B1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRF	557.0004 IN.
				YMRF	0.0000 IN.
				ZMRF	200.0004 IN.
				SCALE	0.0060

MACH 4.47

PAGE 192

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T1B1



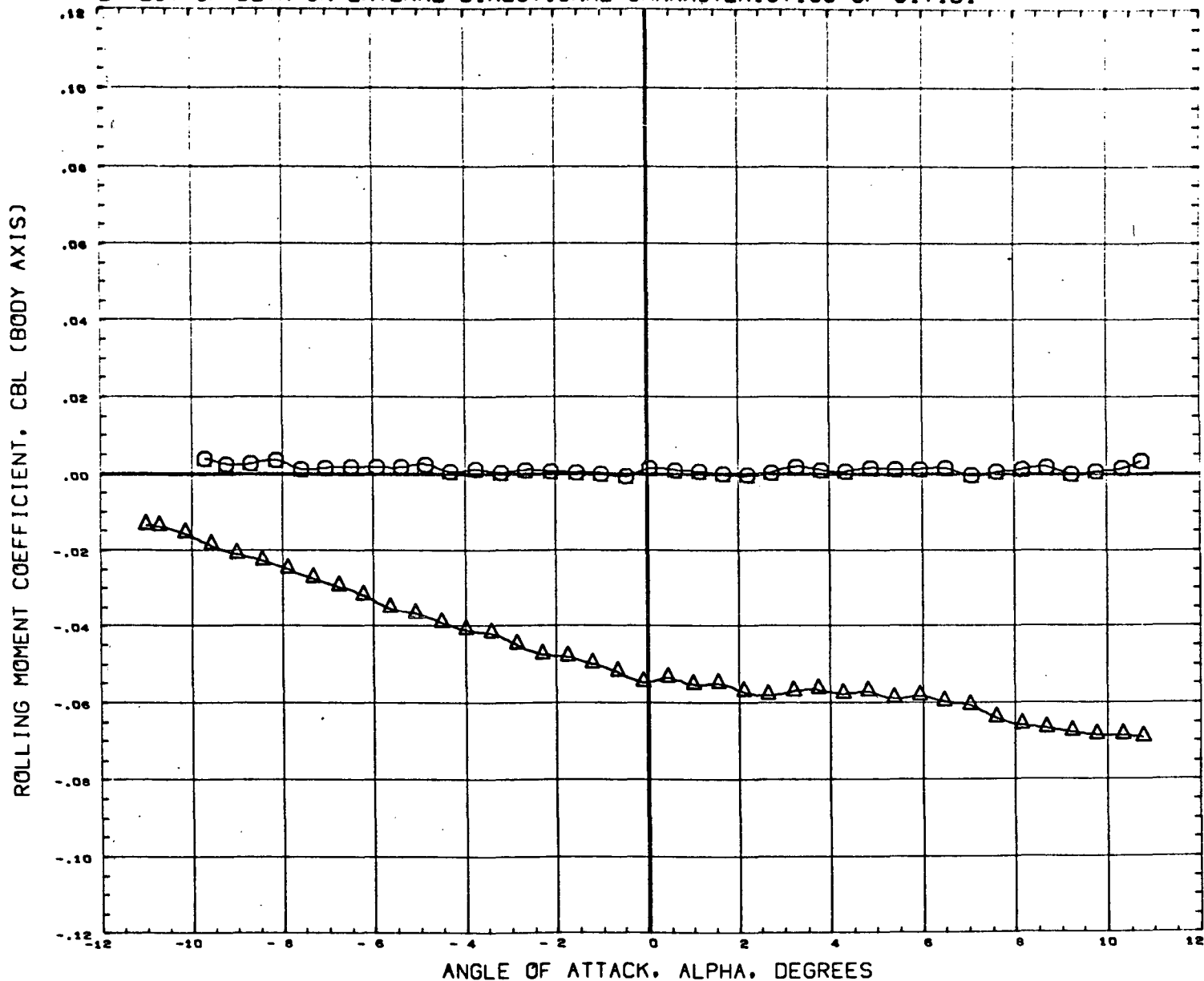
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
(RD7501)    ○    MDAC S-222 COMPOSITE (T-CG) 01T1B1  
(RD7502)    △    MDAC S-222 COMPOSITE (T-CG) 01T1B1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .56

PAGE 193

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T1B1

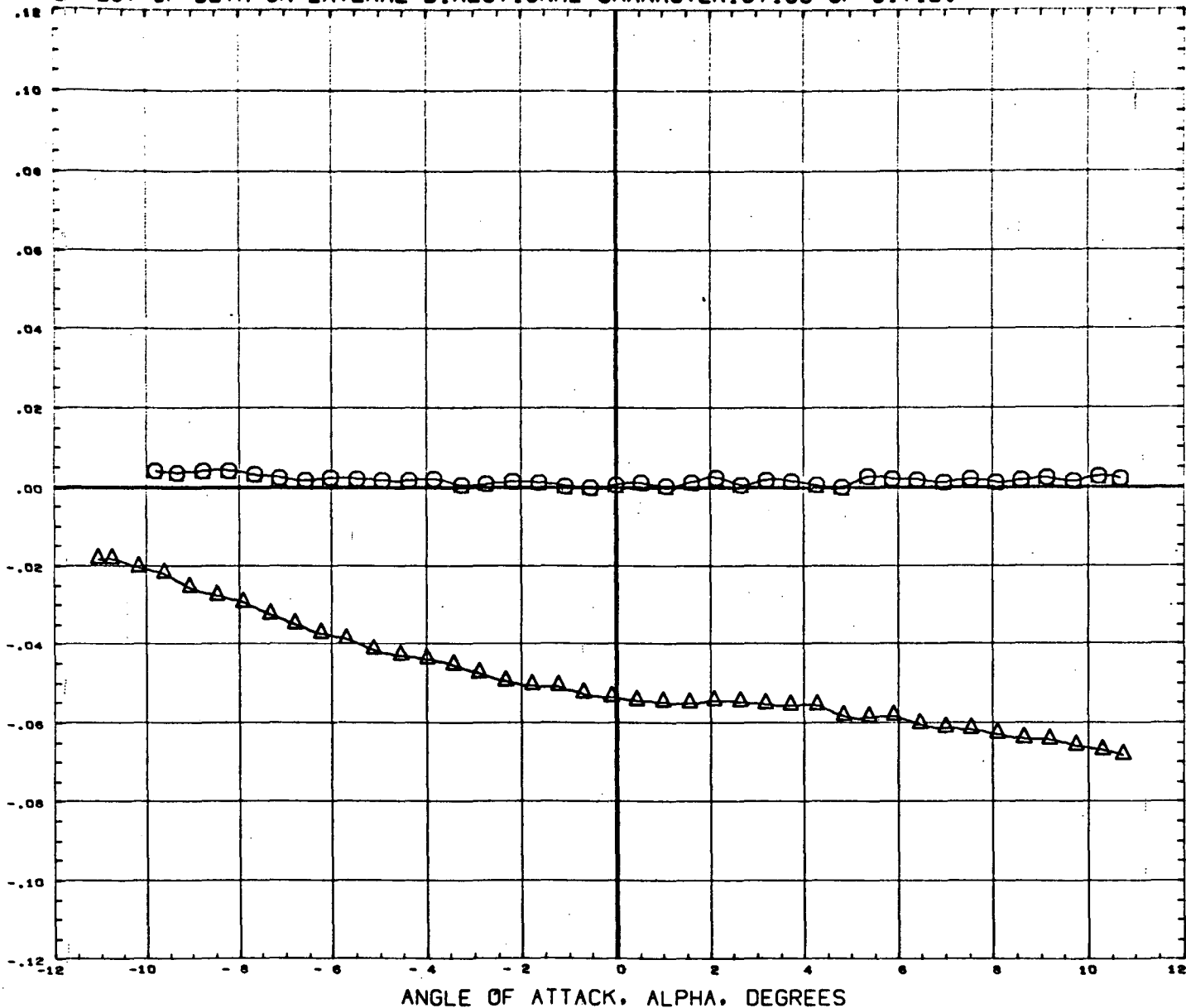


DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
(RD7501)       MDAC S-222 COMPOSITE (T-CG) 01T1B1  
(RD7502)       MDAC S-222 COMPOSITE (T-CG) 01T1B1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	882.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T1B1

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RD7501)  $\bigcirc$  MDAC S-222 COMPOSITE (T-CG) 01T1B1  
 (RD7502)  $\triangle$  MDAC S-222 COMPOSITE (T-CG) 01T1B1

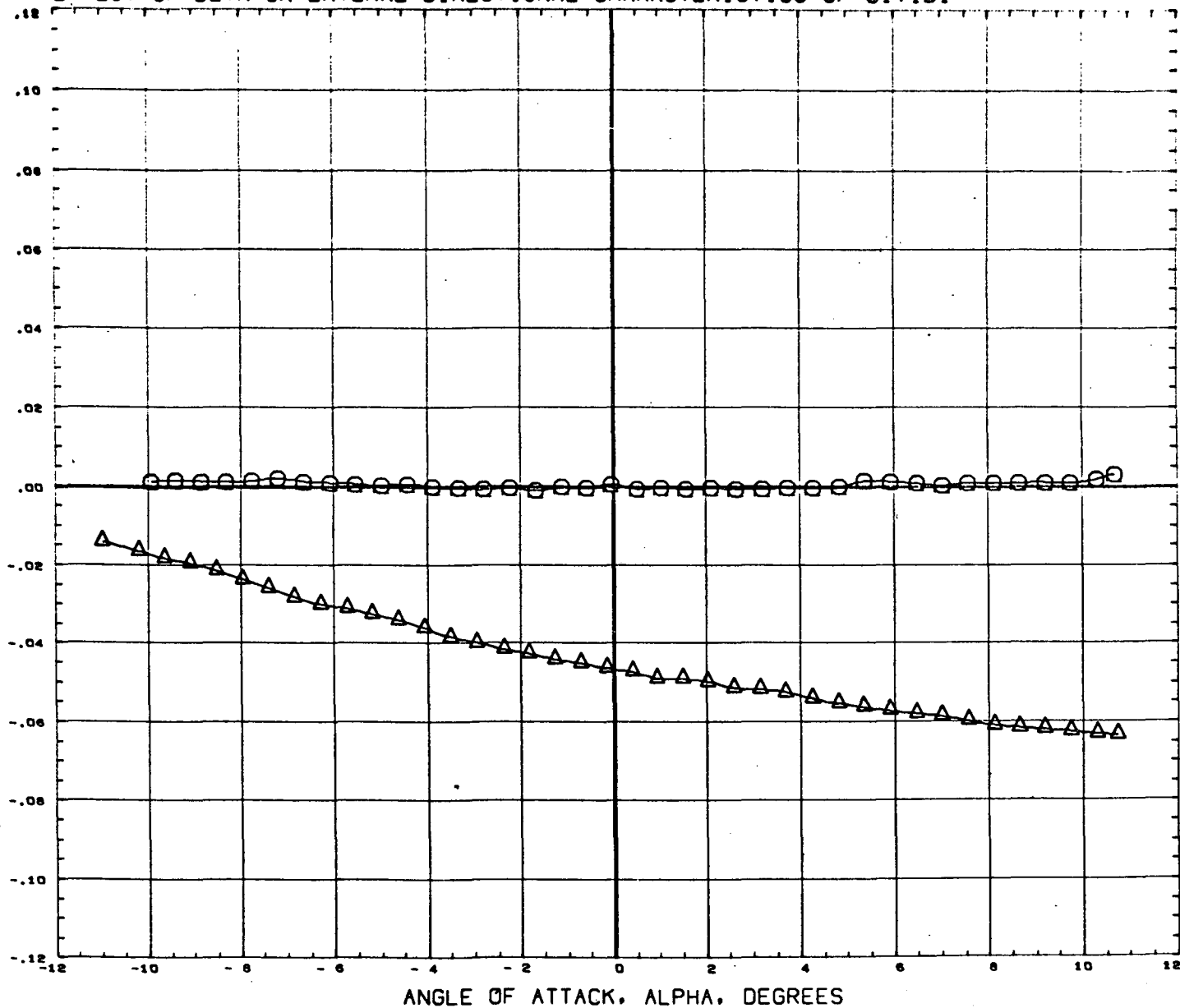
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	882.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH 1.09

PAGE 195

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T1B1

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RD7501)  $\bigcirc$  MDAC S-222 COMPOSITE (T-CG) 01T1B1  
(RD7502)  $\triangle$  MDAC S-222 COMPOSITE (T-CG) 01T1B1

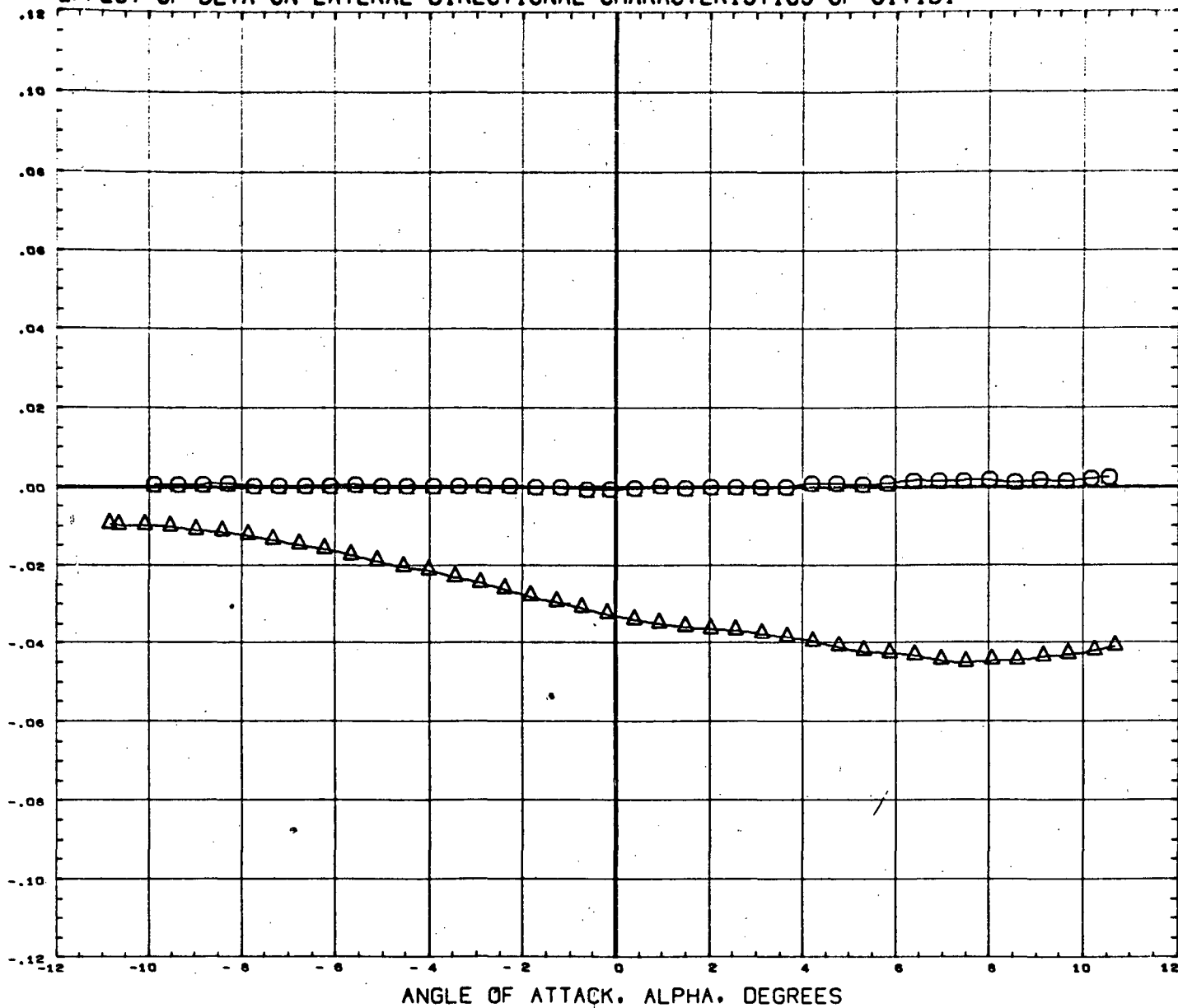
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 196

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 011B1

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RD7501)  $\bigcirc$  MDAC S-222 COMPOSITE (T-CG) 011B1  
(RD7502)  $\triangle$  MDAC S-222 COMPOSITE (T-CG) 011B1

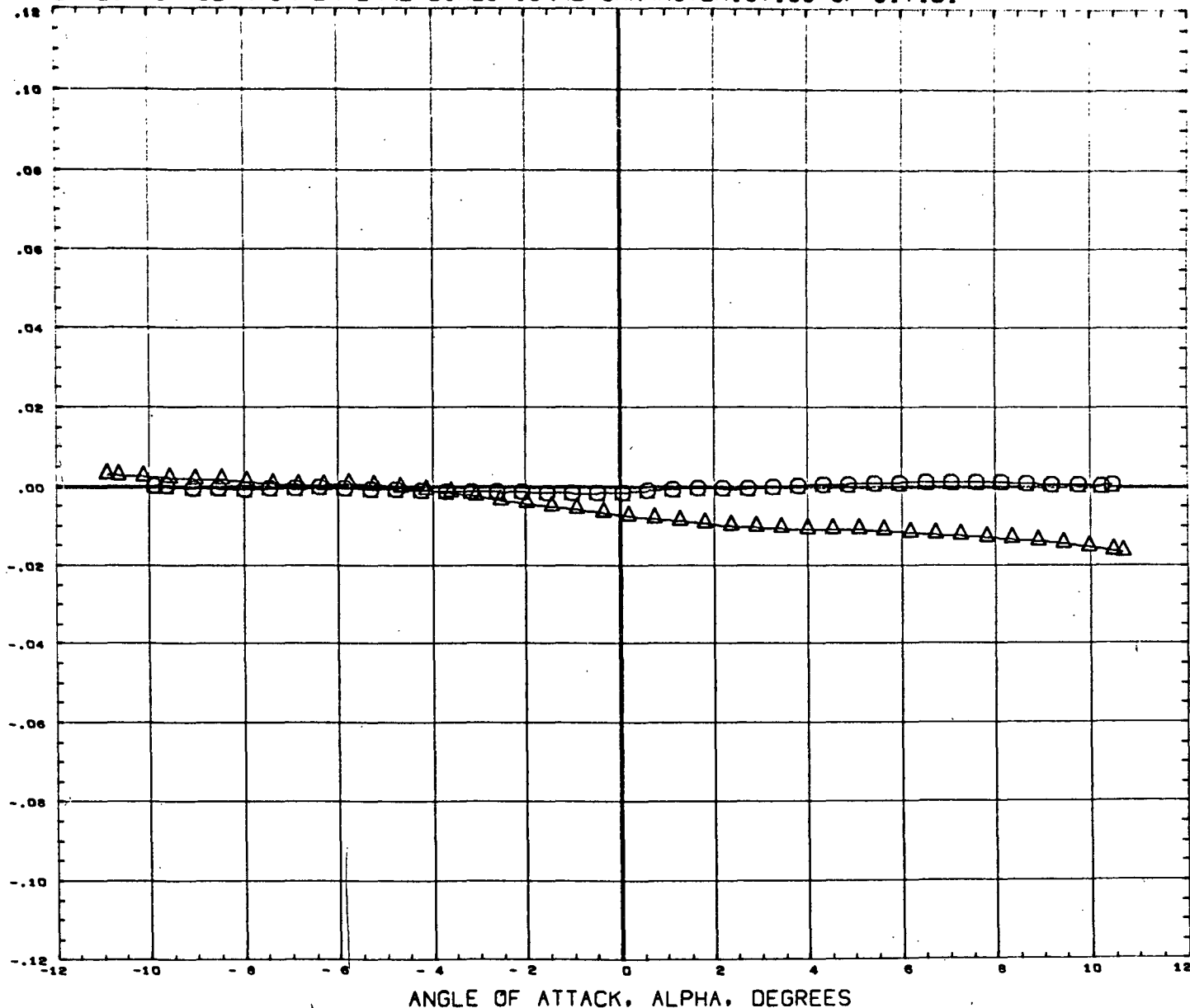
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	357.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0080

MACH 2.20

PAGE 197

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T1B1

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



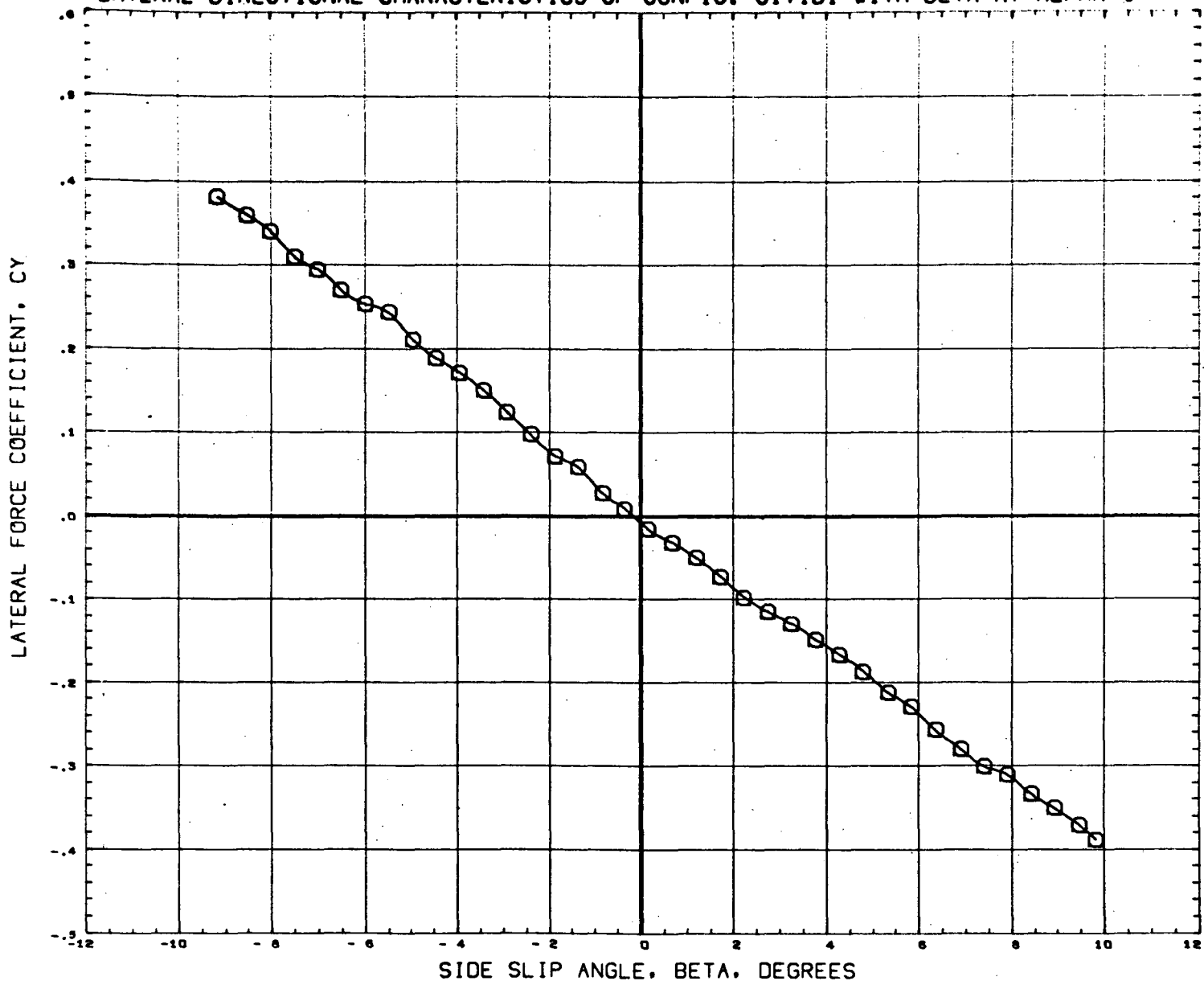
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7501)	MDAC S-222 COMPOSITE (T-CG) 01T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7502)	MDAC S-222 COMPOSITE (T-CG) 01T1B1	6.000	0.000	0.000	0.000	LREF	609.3004 IN.
						BREF	882.0004 IN.
						XMRF	937.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 198



# LATERAL-DIRECTIONAL CHARACTERISTICS OF CONFIG. 011B1 WITH BETA AT ALPHA=0



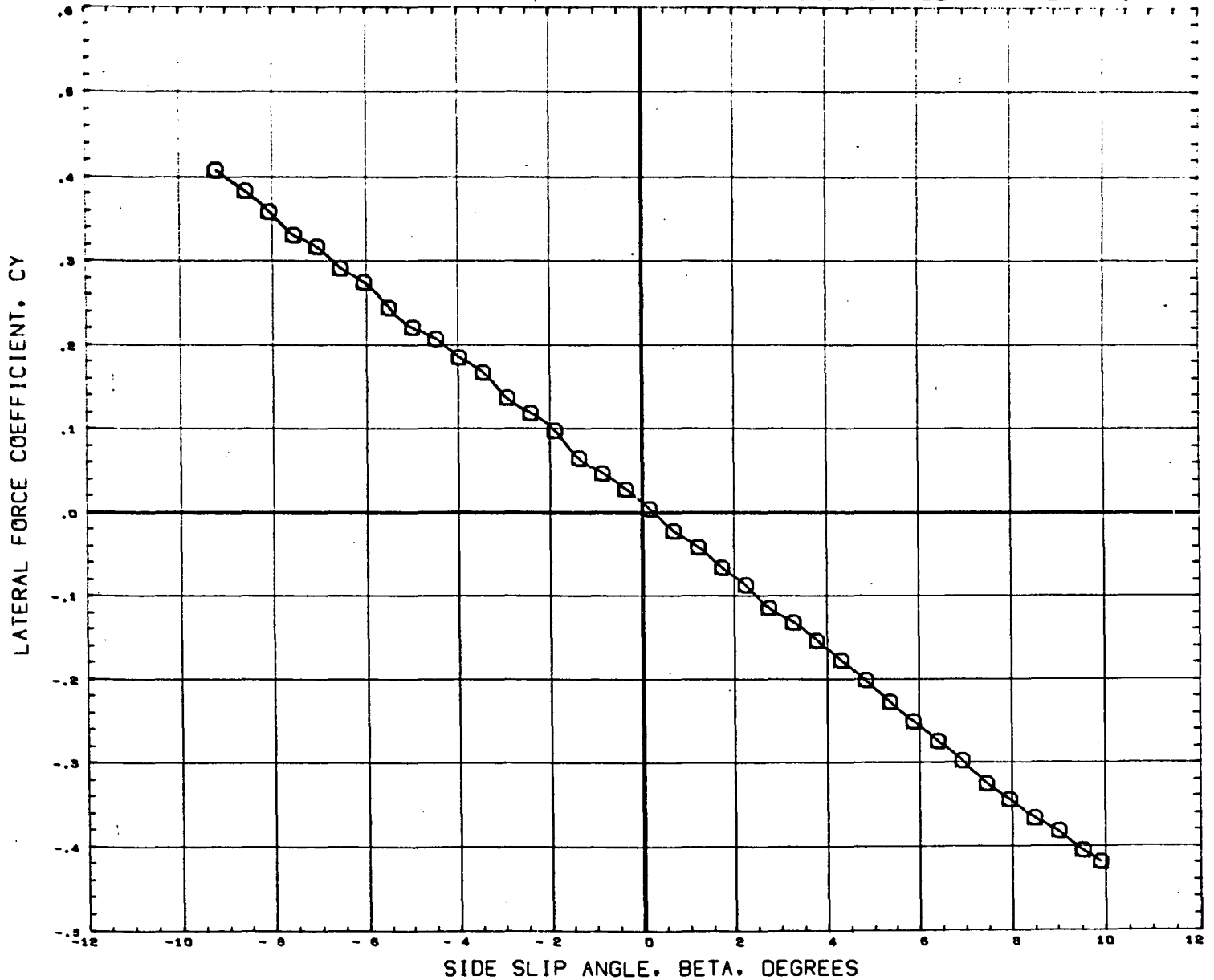
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RD7504)  $\Delta$  MDAC S-222 COMPOSITE (T-CG) 011B1  
(RD7506) DATA NOT AVAILABLE FOR ALL CONDITIONS

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .56

PAGE 199

# LATERAL-DIRECTIONAL CHARACTERISTICS OF CONFIG. 011B1 WITH BETA AT ALPHA=0



DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
(RD7504)    MDAC S-222 COMPOSITE(T-CG) 011B1  
(RD7506)    DATA NOT AVAILABLE FOR ALL CONDITIONS

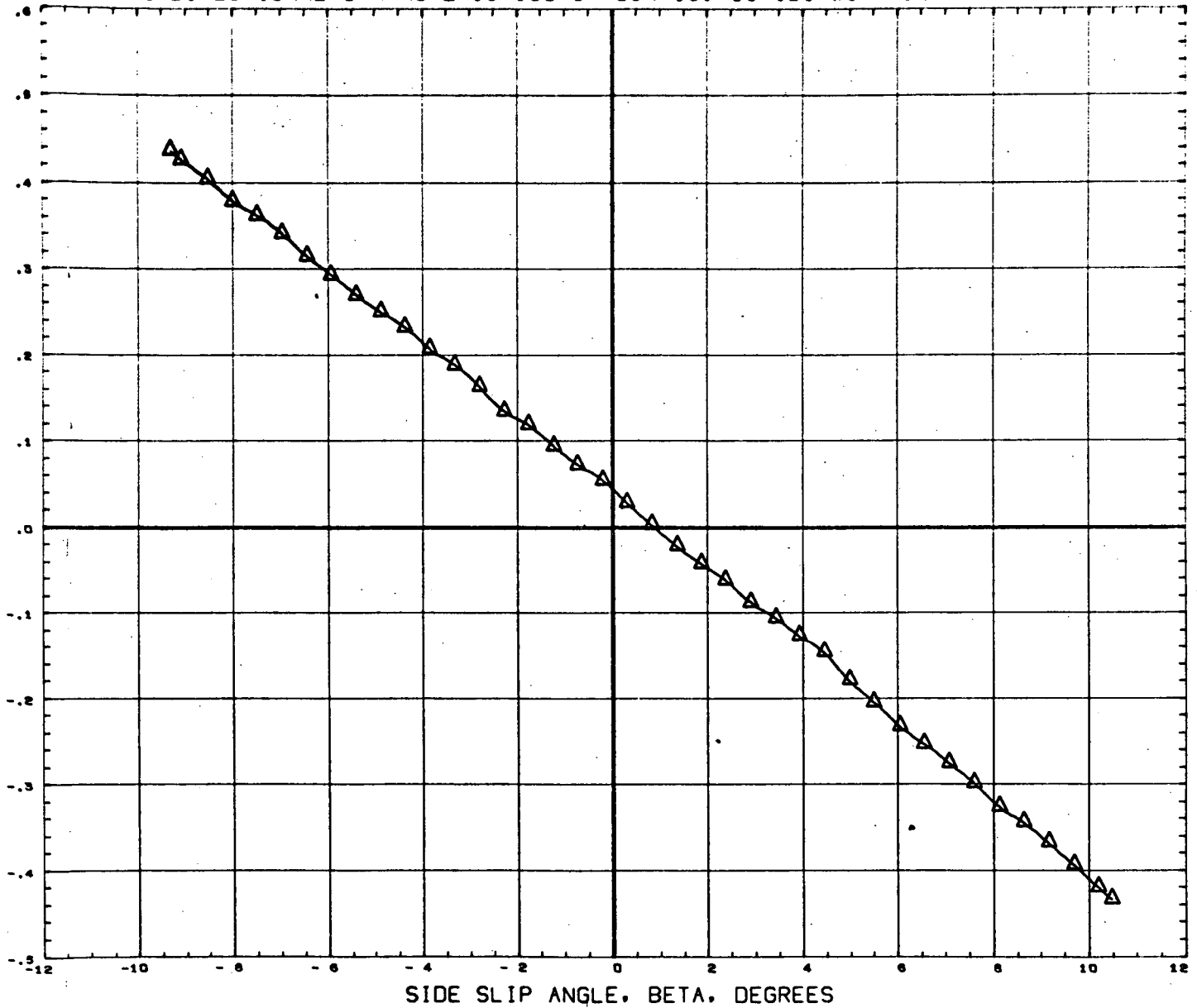
ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	662.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

PAGE 200

# LATERAL-DIRECTIONAL CHARACTERISTICS OF CONFIG. 01T1B1 WITH BETA AT ALPHA=0

LATERAL FORCE COEFFICIENT, CY



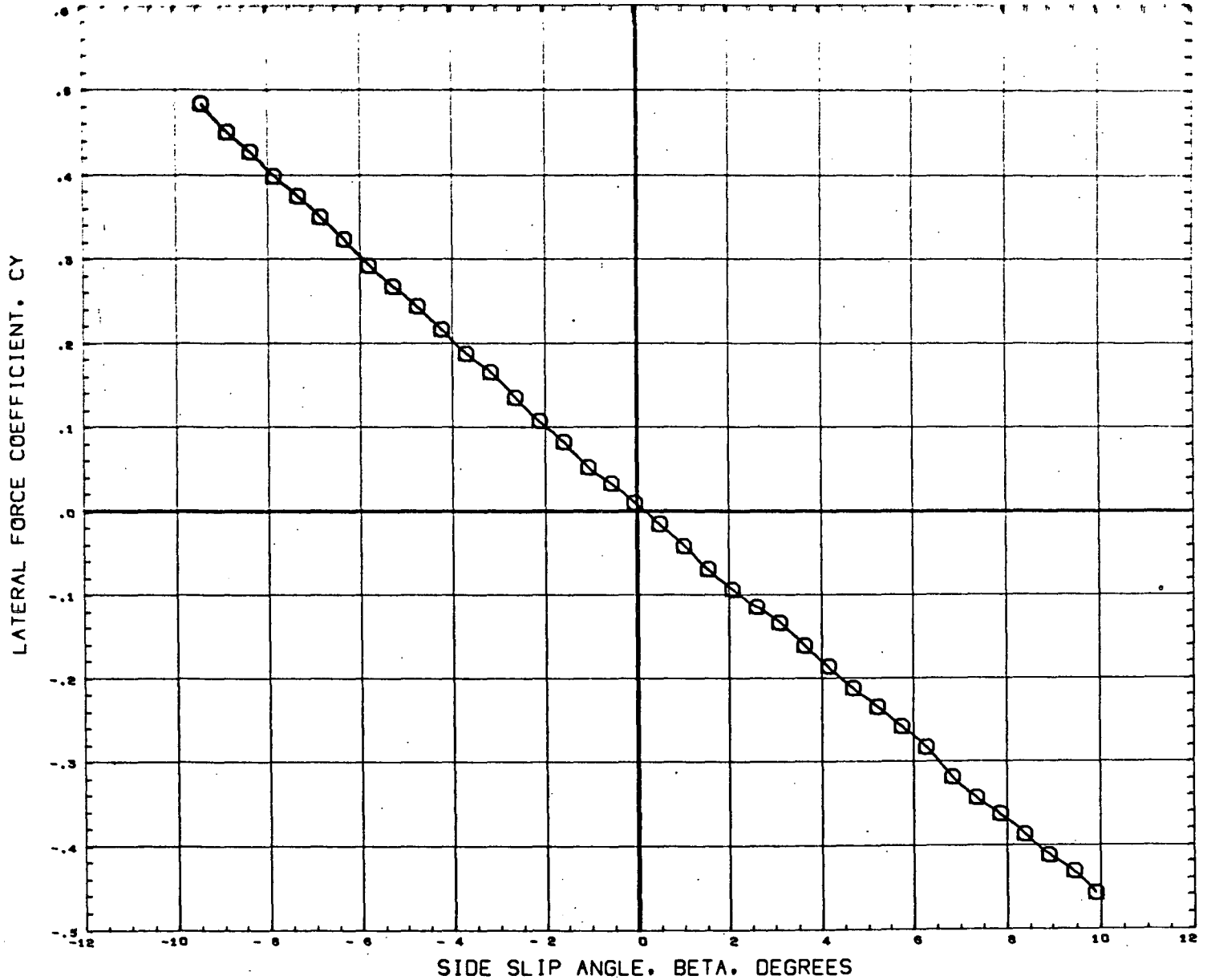
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
(RD7504)    DATA NOT AVAILABLE FOR ALL CONDITIONS  
(RD7506)    MDAC S-222 COMPOSITE(T-CG) 01T1B1

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	862.0004 IN.
				XMRRP	537.0004 IN.
				YMRRP	0.0000 IN.
				ZMRRP	200.0004 IN.
				SCALE	0.0060

MACH 1.08

PAGE 201

# LATERAL-DIRECTIONAL CHARACTERISTICS OF CONFIG. 011181 WITH BETA AT ALPHA=0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RD7504)  $\bigcirc$  MDAC S-222 COMPOSITE (T-CG) 011181  
 (RD7506)  $\triangle$  DATA NOT AVAILABLE FOR ALL CONDITIONS

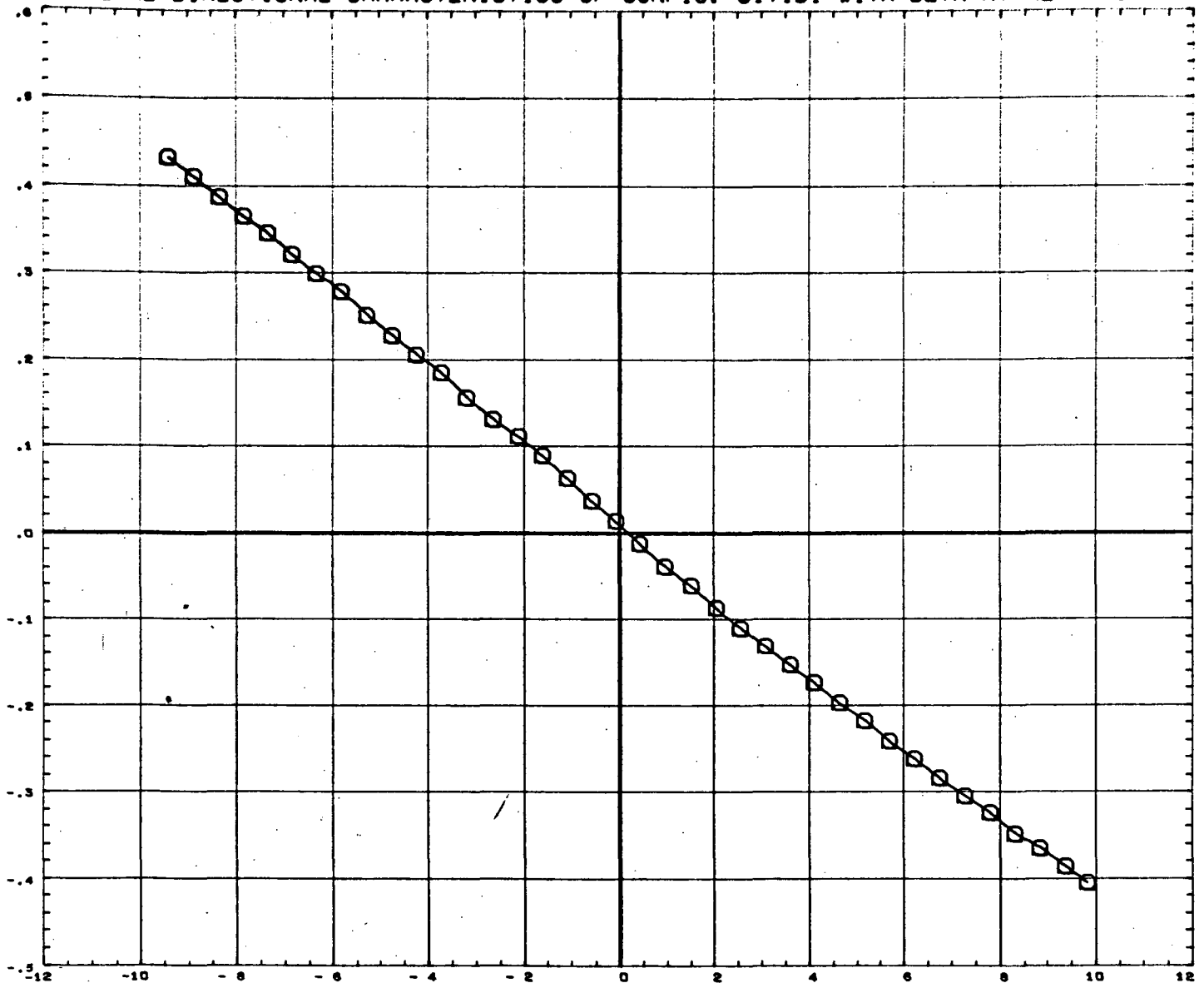
ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 202

# LATERAL-DIRECTIONAL CHARACTERISTICS OF CONFIG. 01181 WITH BETA AT ALPHA=0

LATERAL FORCE COEFFICIENT, CY



SIDE SLIP ANGLE, BETA, DEGREES

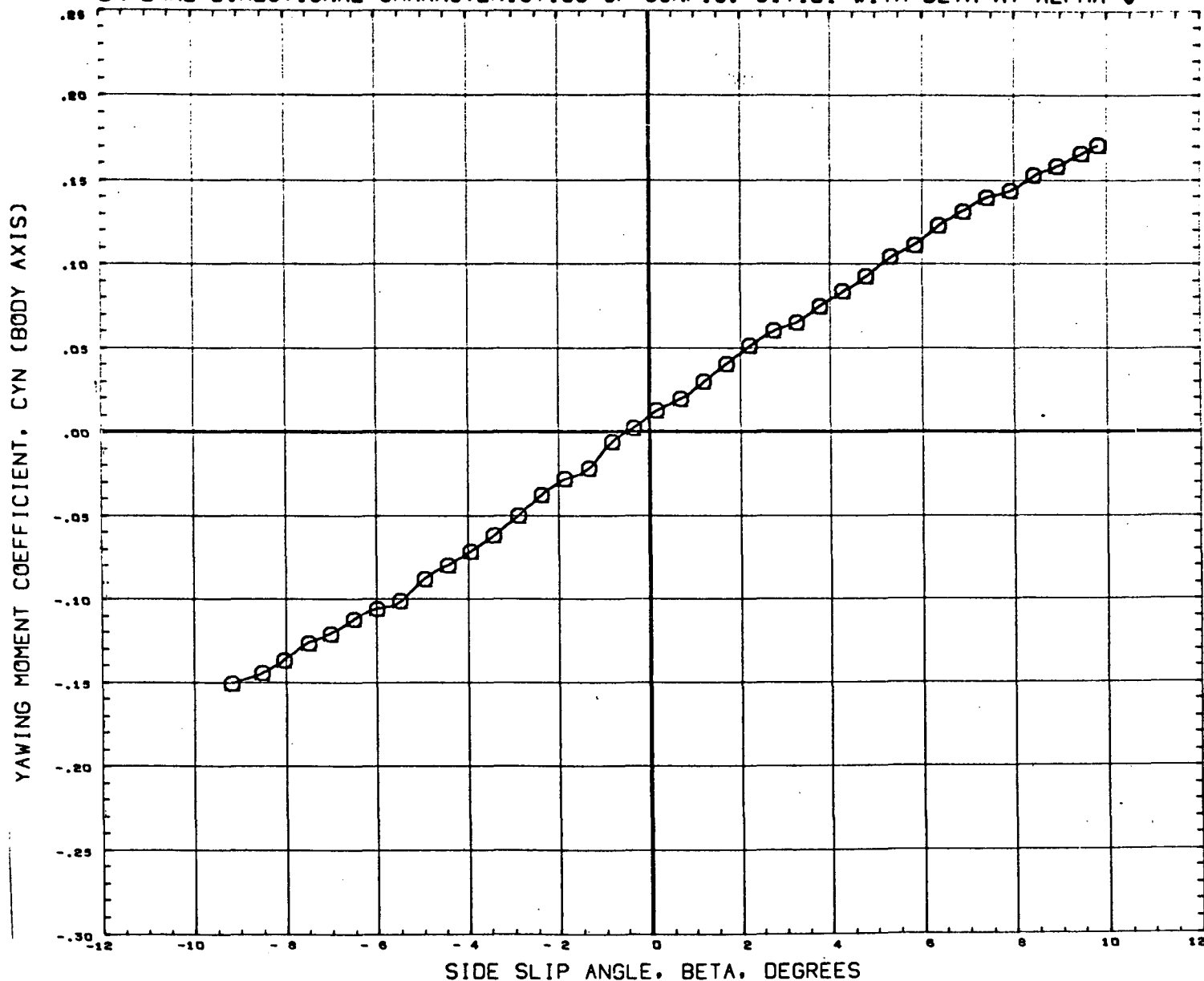
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RD7504)  $\Delta$  MDAC S-222 COMPOSITE (T-CG) 01181  
(RD7506)  $\Delta$  DATA NOT AVAILABLE FOR ALL CONDITIONS

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3153.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	537.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

PAGE 203

# LATERAL-DIRECTIONAL CHARACTERISTICS OF CONFIG. 01T1B1 WITH BETA AT ALPHA=0



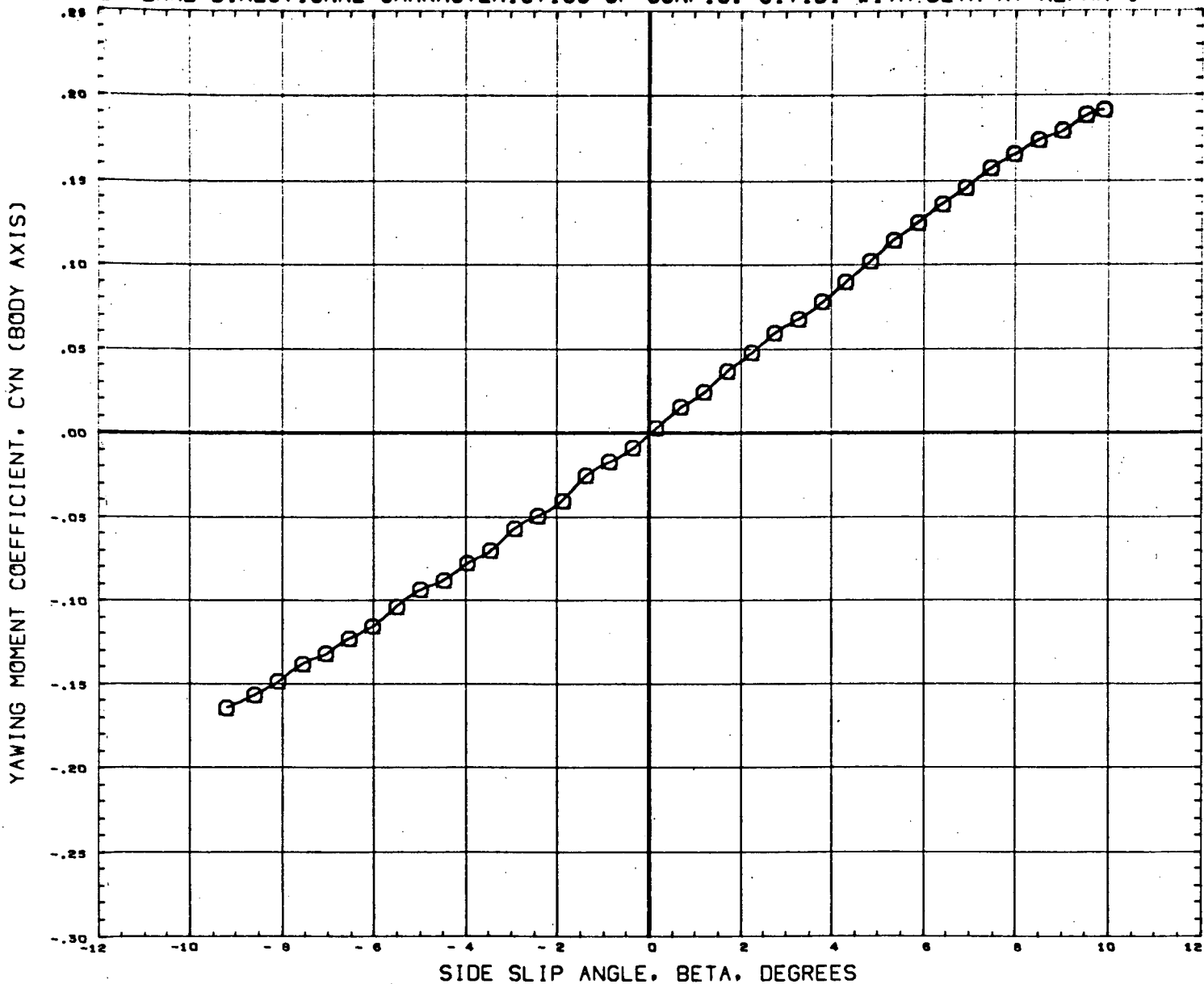
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
(RD7504)    MDAC S-222 COMPOSITE(T-CG) 01T1B1  
(RD7506)    DATA NOT AVAILABLE FOR ALL CONDITIONS

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .56

PAGE 204

# LATERAL-DIRECTIONAL CHARACTERISTICS OF CONFIG. 01T1B1 WITH BETA AT ALPHA=0



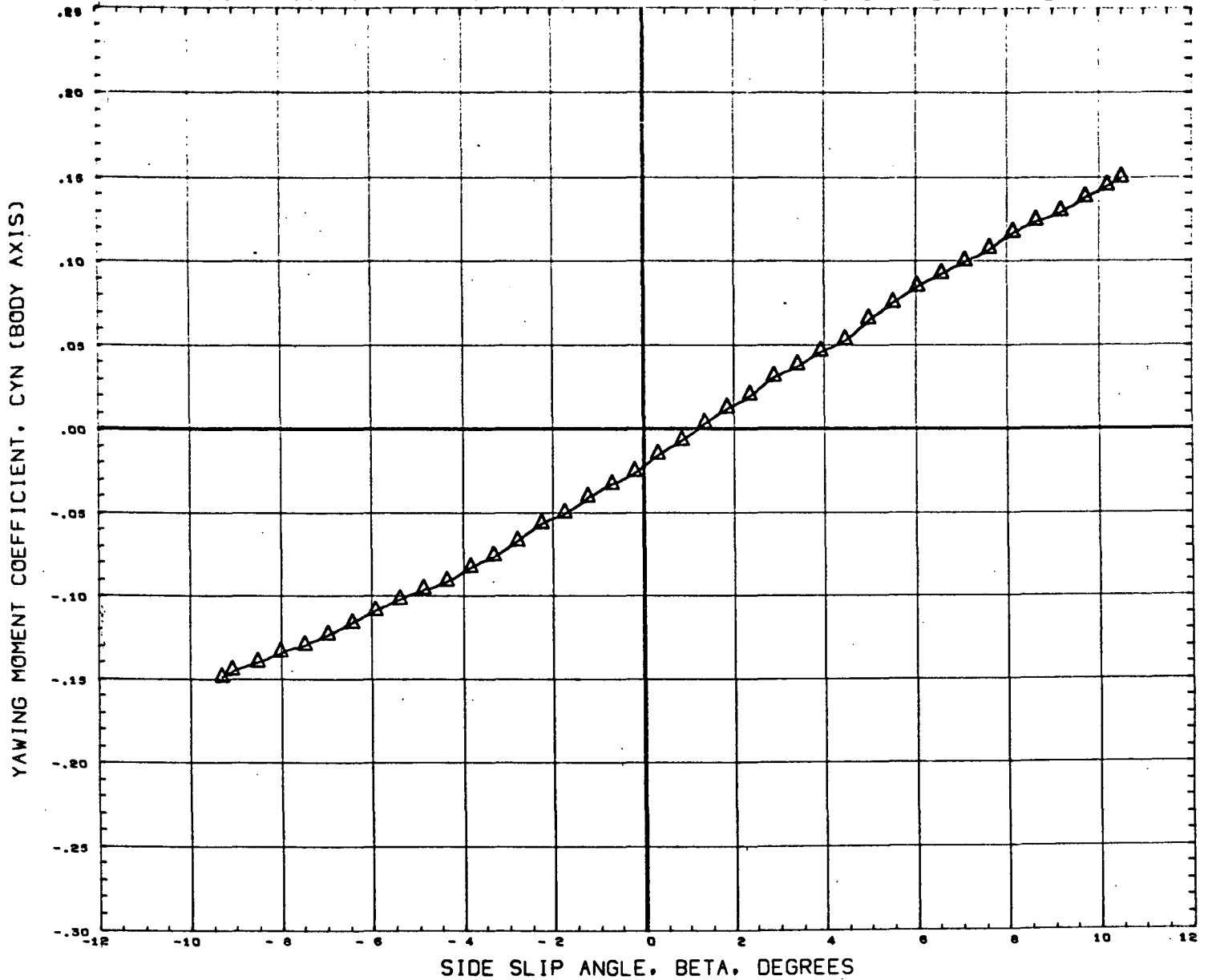
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RD7504) MDAC S-222 COMPOSITE (T-C6) 01T1B1  
(RD7506) DATA NOT AVAILABLE FOR ALL CONDITIONS

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

PAGE 205

# LATERAL-DIRECTIONAL CHARACTERISTICS OF CONFIG. 01T1B1 WITH BETA AT ALPHA=0



DATA SET SYMBOL		CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(R07504)	Q	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(R07506)	A	MDAC S-222 COMPOSITE (T-CG) 01T1B1	0.000	0.000	0.000	0.000	LREF	609.5004	IN.
							BREF	882.0004	IN.
							XMRP	557.0004	IN.
							YMRP	0.0000	IN.
							ZMRP	200.0004	IN.
							SCALE	0.0060	

MACH

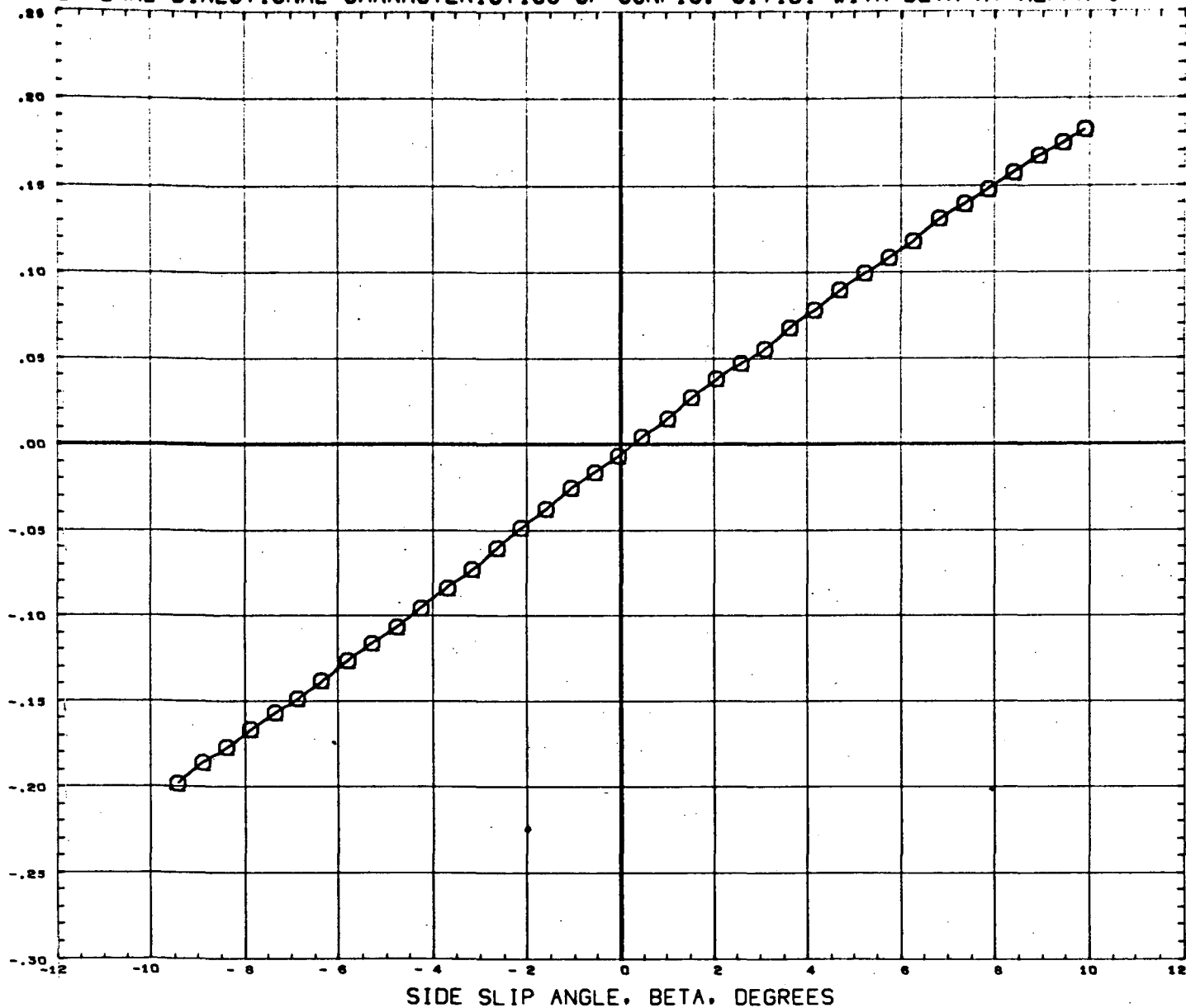
1.08

PAGE 206



# LATERAL-DIRECTIONAL CHARACTERISTICS OF CONFIG. 011B1 WITH BETA AT ALPHA=0

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



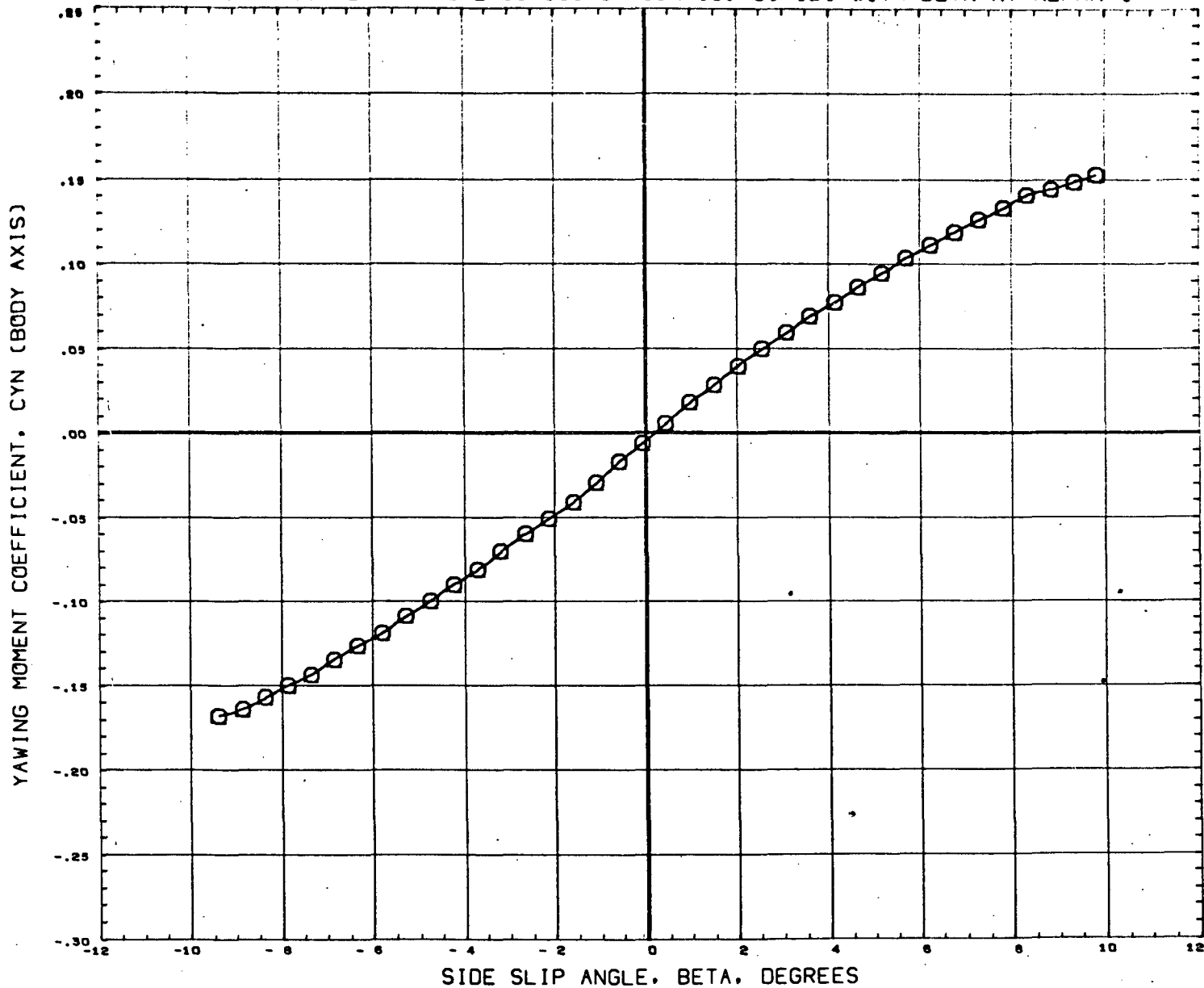
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RD7504)  $\Delta$  MDAC S-222 COMPOSITE (T-CG) 011B1  
(RD7506)  $\Delta$  DATA NOT AVAILABLE FOR ALL CONDITIONS

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 207

# LATERAL-DIRECTIONAL CHARACTERISTICS OF CONFIG. 01T1B1 WITH BETA AT ALPHA=0



DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
(RD7504)       MDAC S-222 COMPOSITE (T-CG) 01T1B1  
(RD7506)       DATA NOT AVAILABLE FOR ALL CONDITIONS

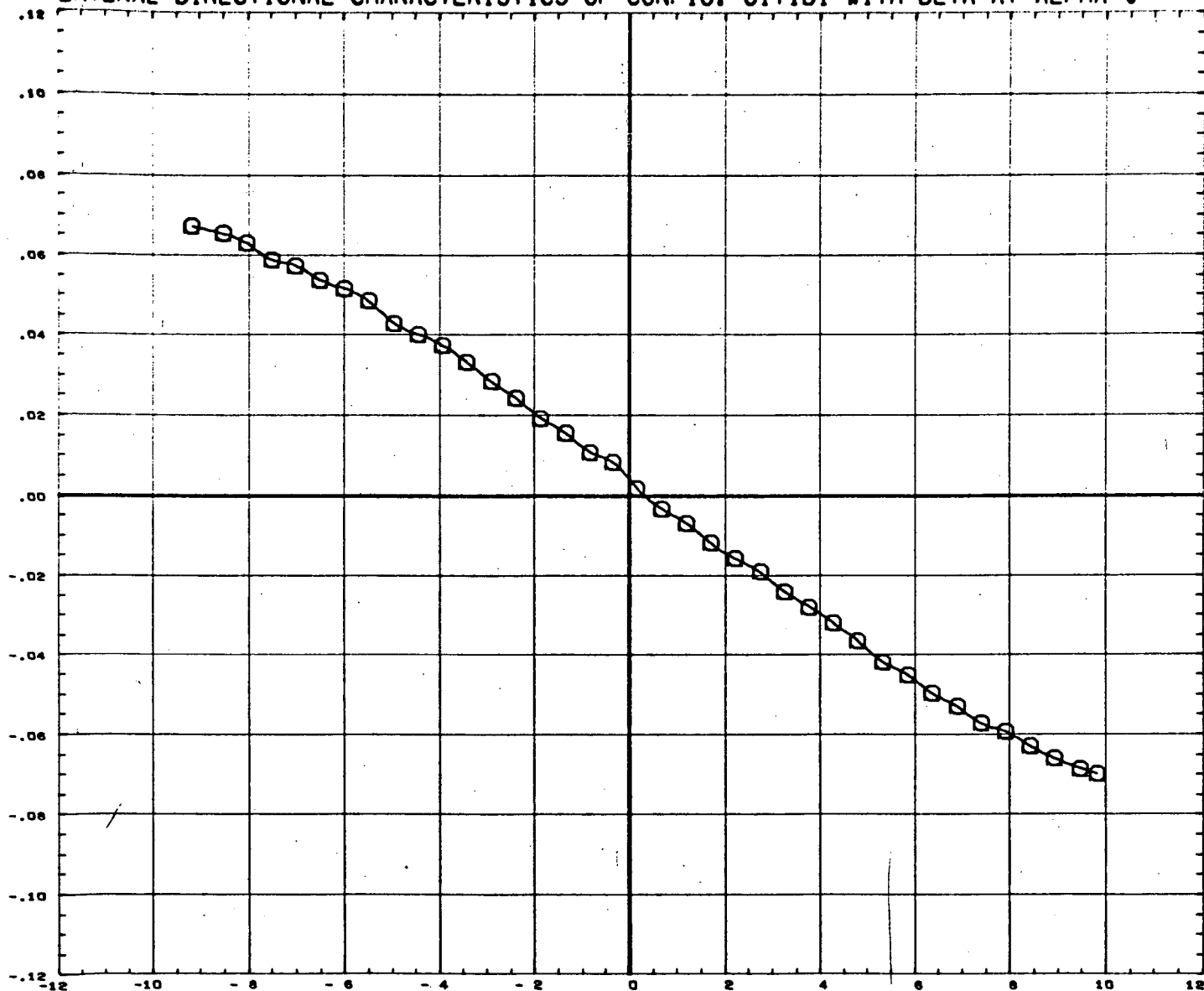
ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH        2.20

PAGE        208

# LATERAL-DIRECTIONAL CHARACTERISTICS OF CONFIG. 01T1B1 WITH BETA AT ALPHA=0

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



SIDE SLIP ANGLE, BETA, DEGREES

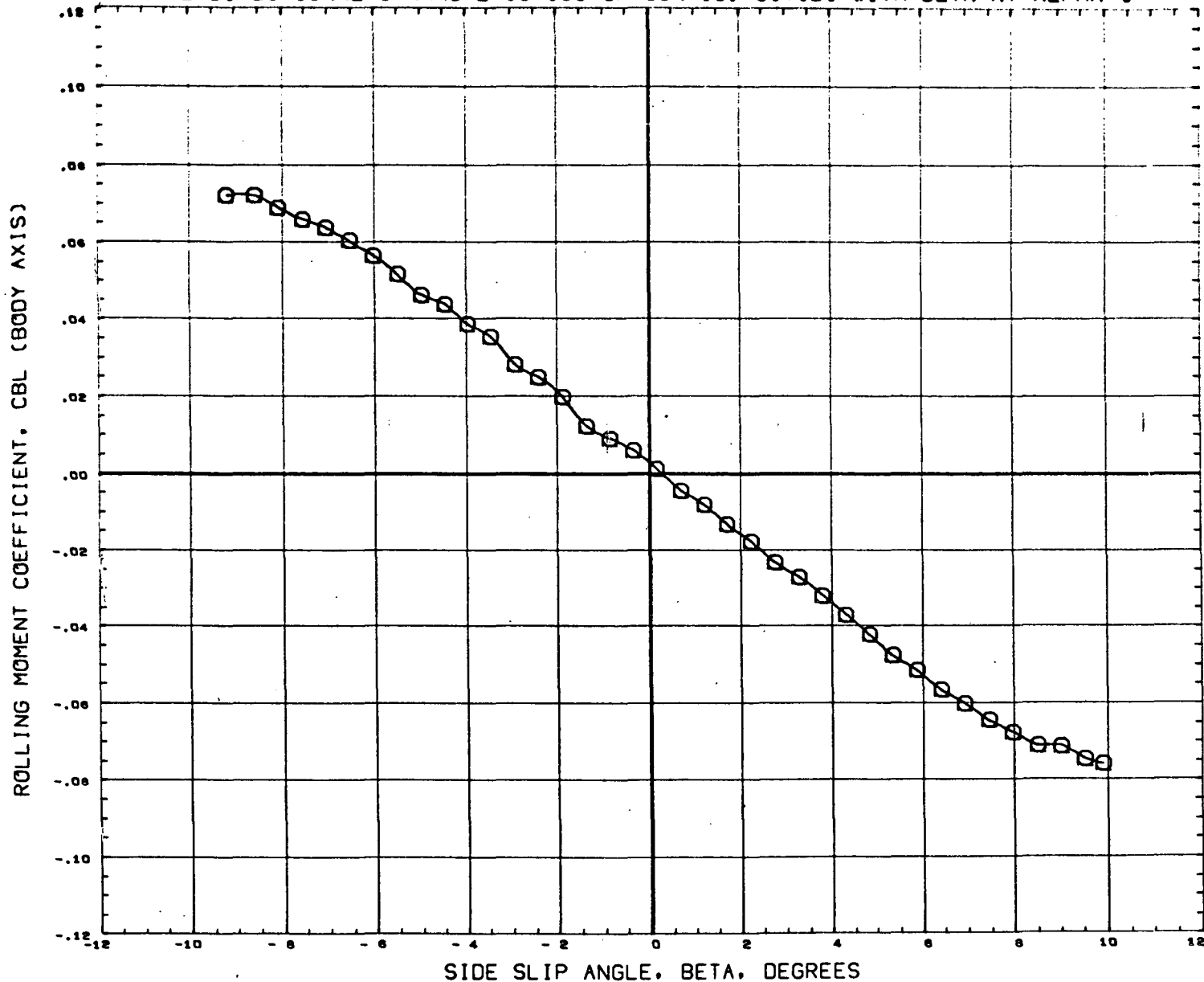
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RD7504) Q MDAC S-222 COMPOSITE(T-CG) 01T1B1  
(RD7506) DATA NOT AVAILABLE FOR ALL CONDITIONS

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .56

PAGE 209

# LATERAL-DIRECTIONAL CHARACTERISTICS OF CONFIG. 01T1B1 WITH BETA AT ALPHA=0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RD7504)  MDAC S-222 COMPOSITE (T-CG) 01T1B1  
(RD7506)  DATA NOT AVAILABLE FOR ALL CONDITIONS

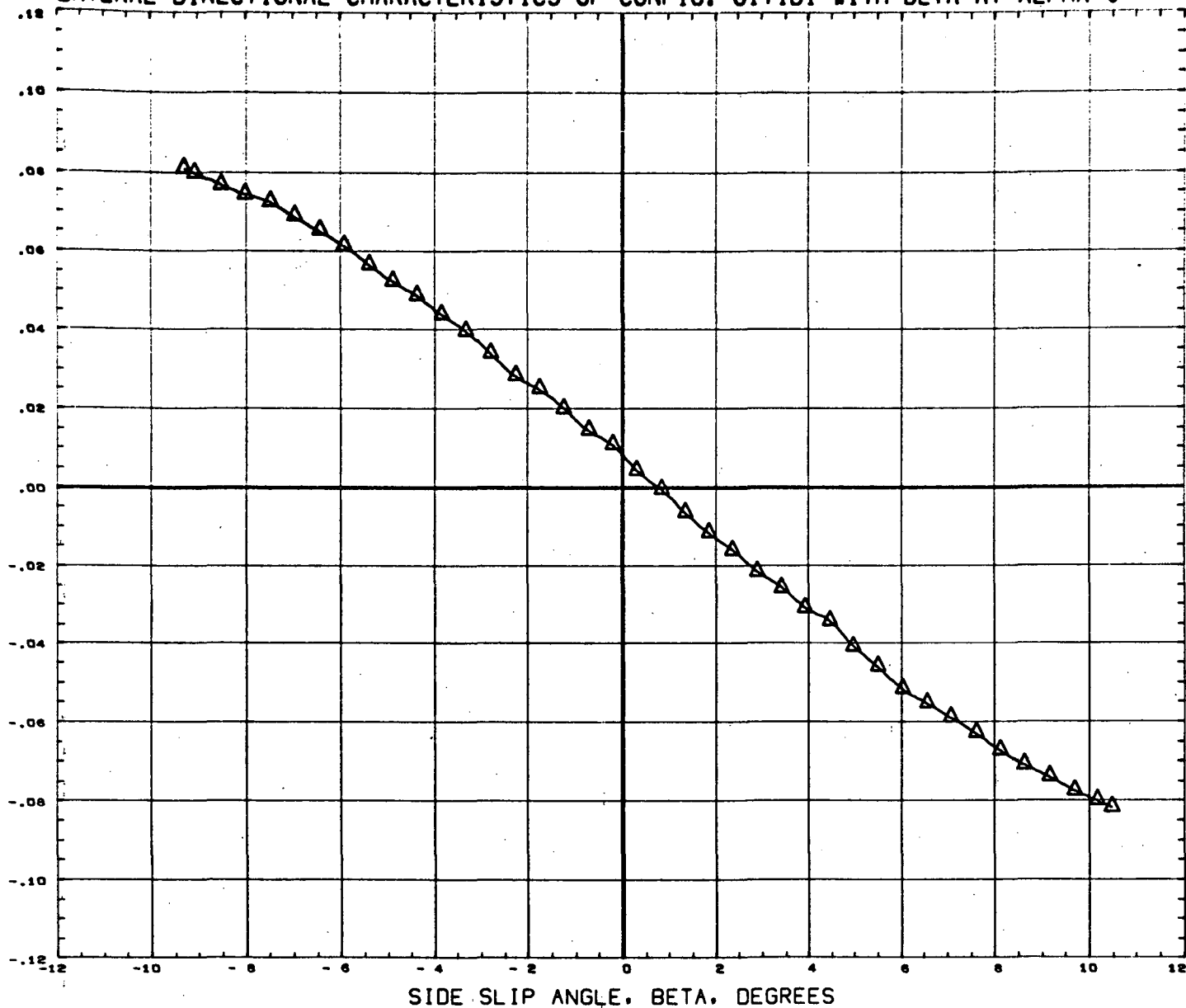
ALPHA	ELEVTR	ATLON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF 609.5004 IN.
				BREF 882.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH .89

PAGE 210

# LATERAL-DIRECTIONAL CHARACTERISTICS OF CONFIG. 01T1B1 WITH BETA AT ALPHA=0

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



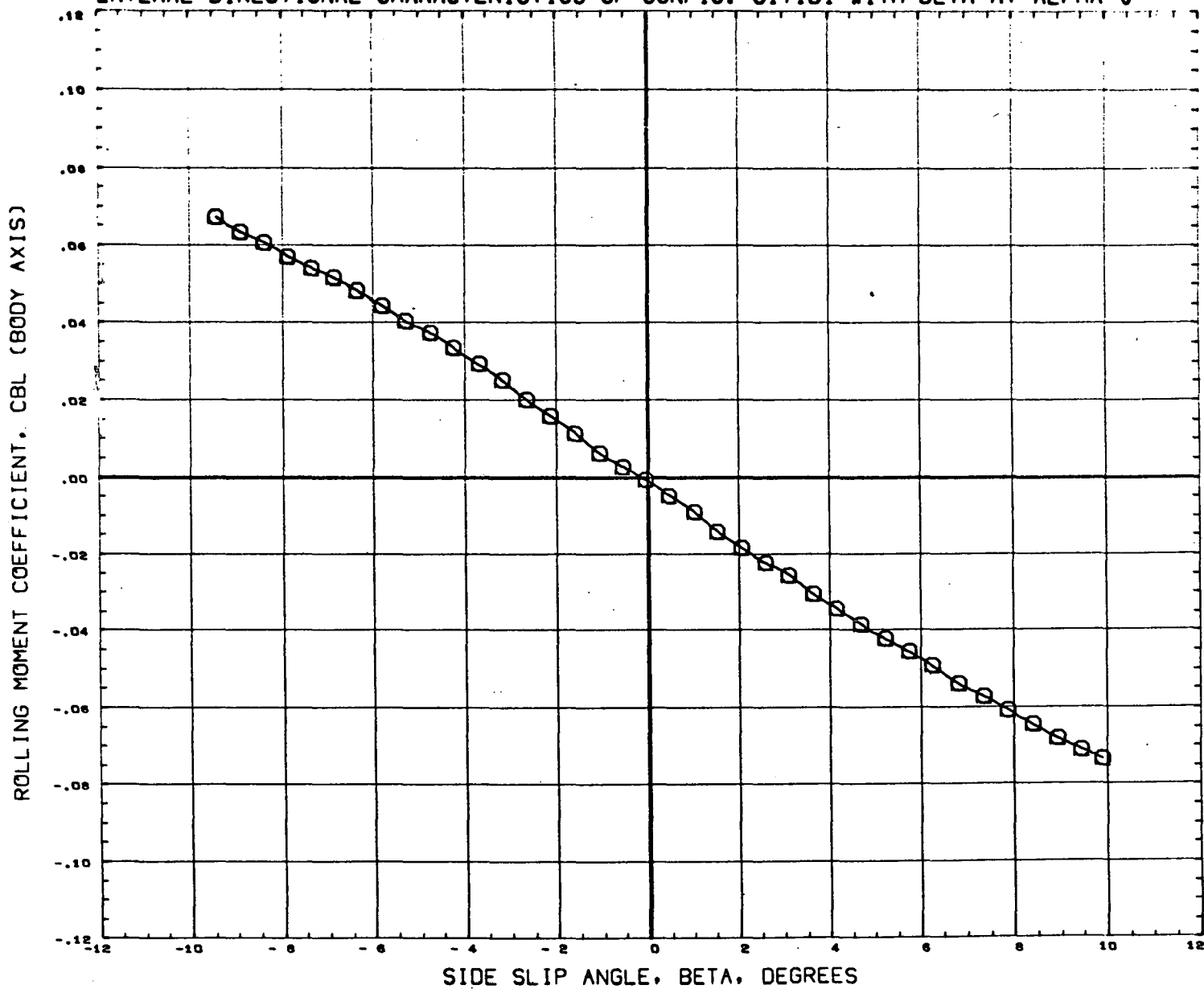
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RD7504) DATA NOT AVAILABLE FOR ALL CONDITIONS  
(RD7506) MDAC S-222 COMPOSITE (T-CG) 01T1B1

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.08

PAGE 211

# LATERAL-DIRECTIONAL CHARACTERISTICS OF CONFIG. 01T1B1 WITH BETA AT ALPHA=0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RD7504) Q MDAC S-222 COMPOSITE(T-CG) 01T1B1  
 (RD7506) Δ DATA NOT AVAILABLE FOR ALL CONDITIONS

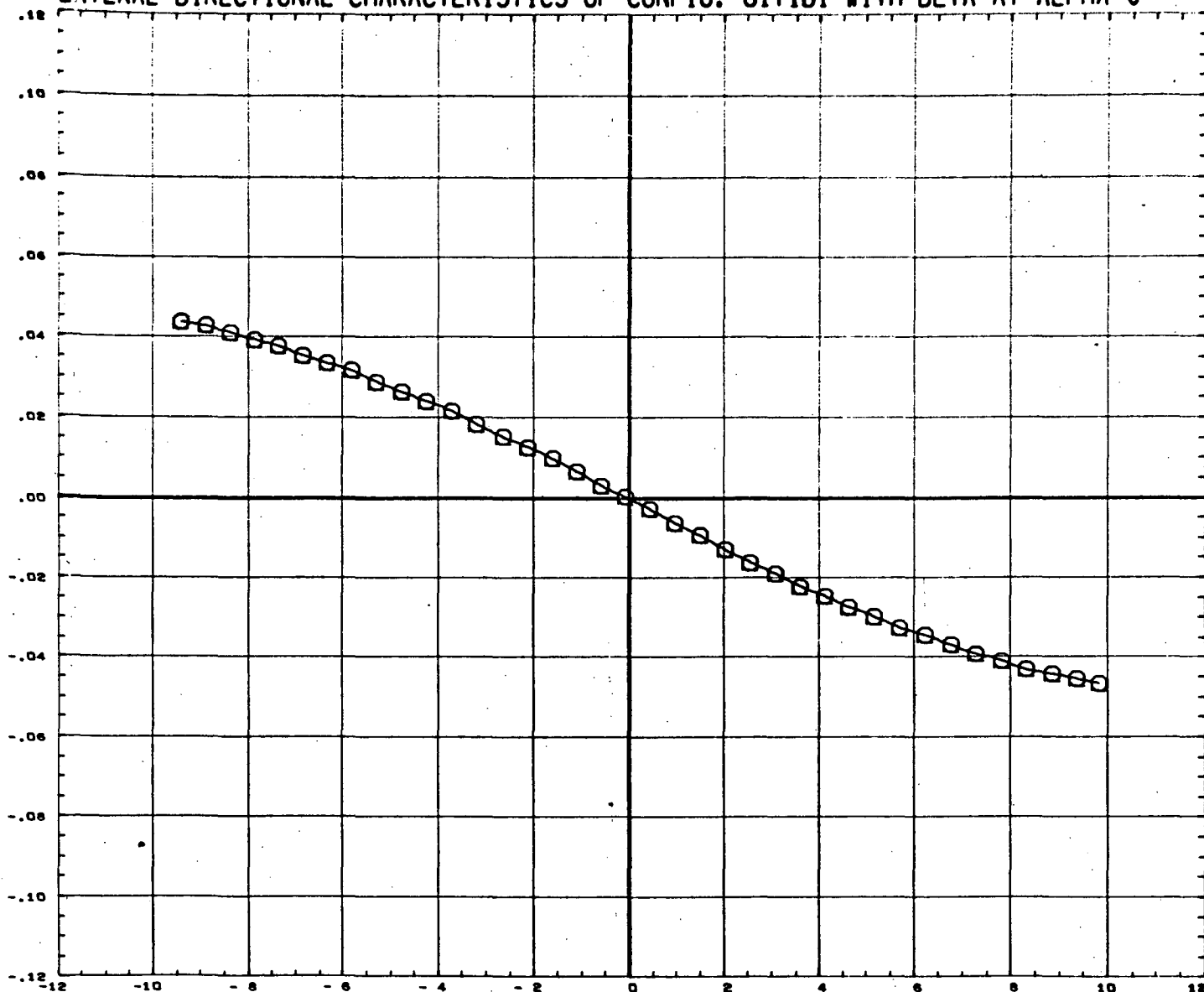
ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 212

# LATERAL-DIRECTIONAL CHARACTERISTICS OF CONFIG. 01T1B1 WITH BETA AT ALPHA=0

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



SIDE SLIP ANGLE, BETA, DEGREES

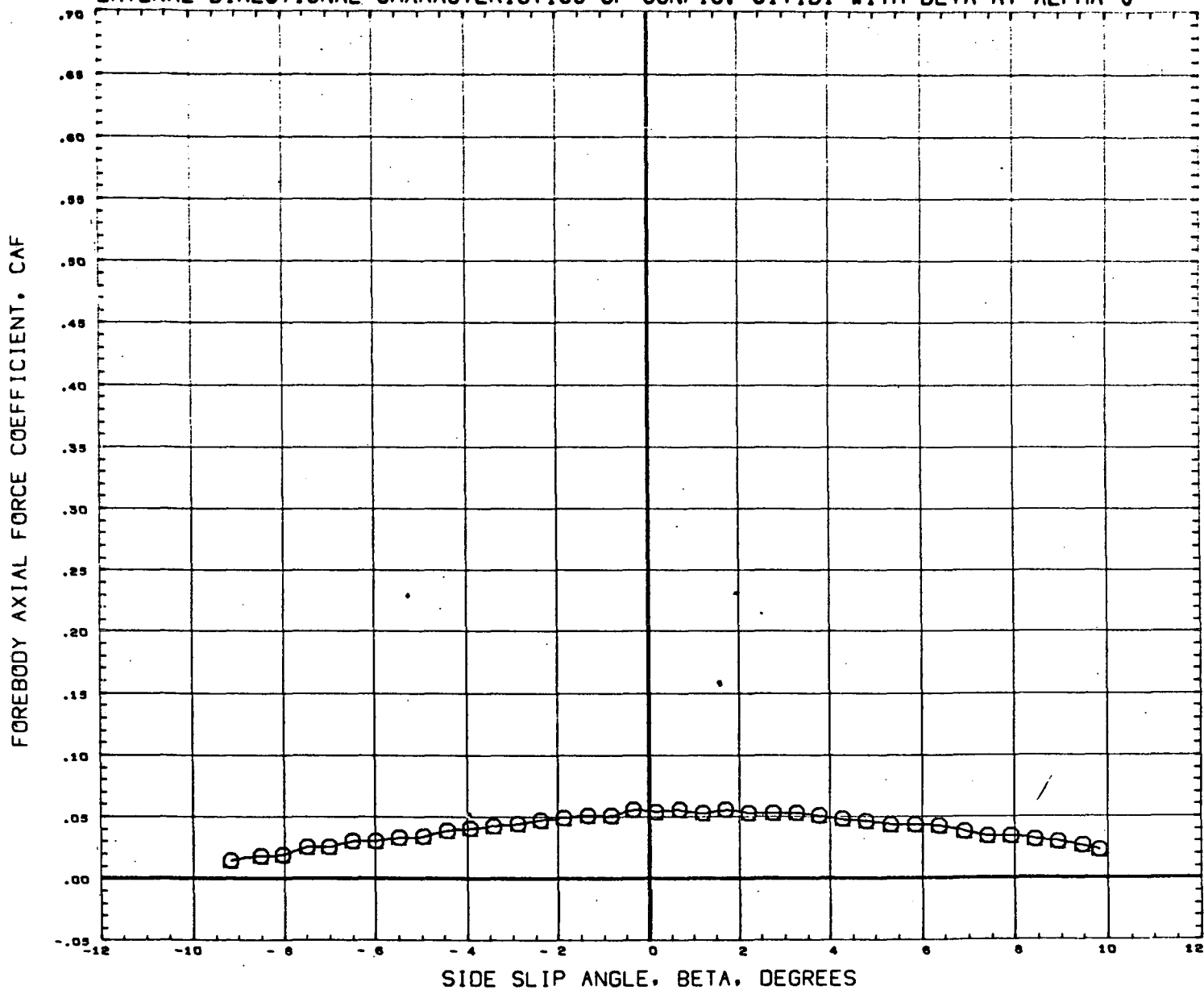
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RD7504) Q MDAC S-222 COMPOSITE (T-CG) 01T1B1  
 (RD7506) DATA NOT AVAILABLE FOR ALL CONDITIONS

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

PAGE 213

# LATERAL-DIRECTIONAL CHARACTERISTICS OF CONFIG. 01T1B1 WITH BETA AT ALPHA=0



DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
(RD7304)    Q    MDAC S-222 COMPOSITE (T-CG) 01T1B1  
(RD7306)    A    DATA NOT AVAILABLE FOR ALL CONDITIONS

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

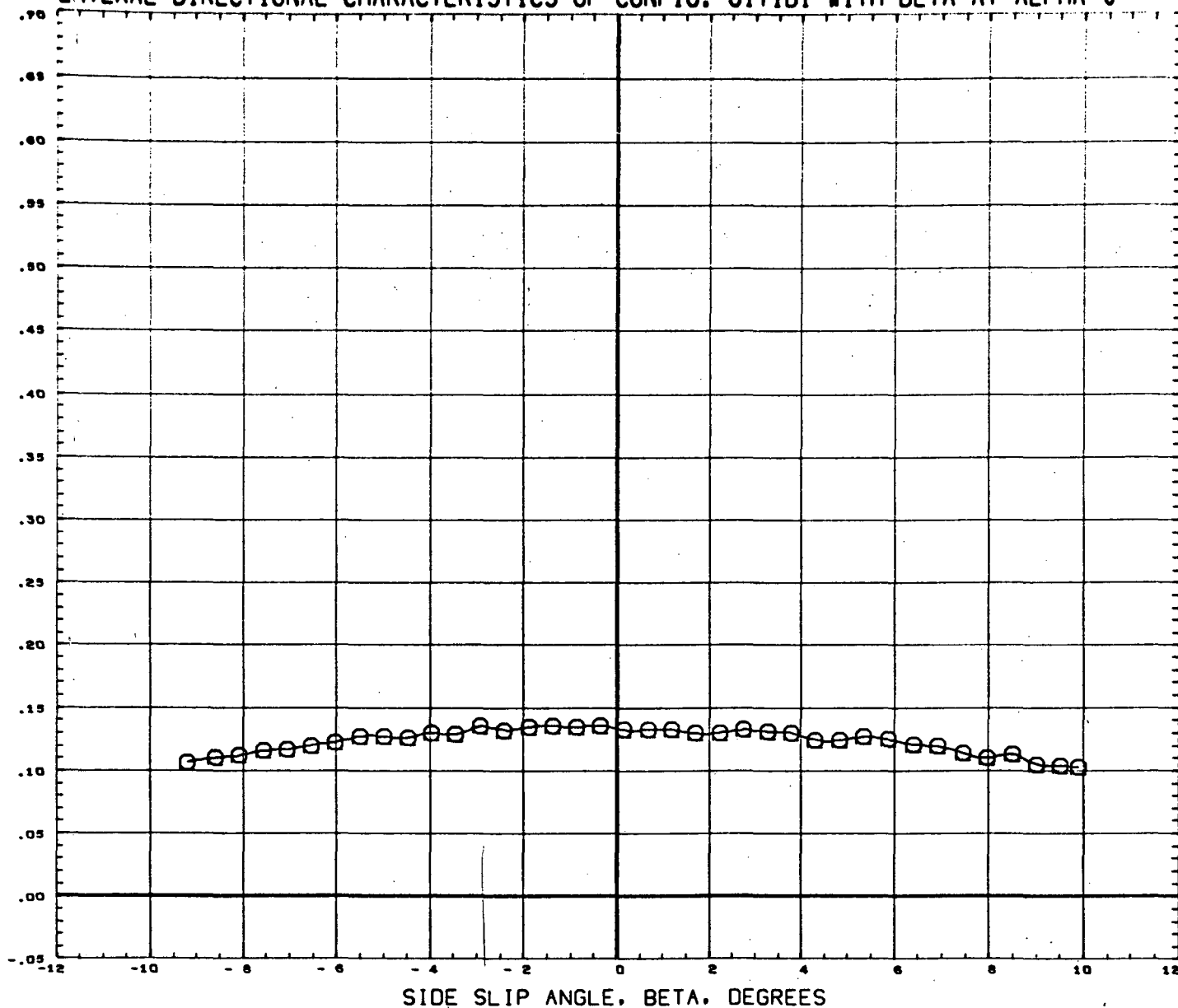
MACH .56

PAGE 214



# LATERAL-DIRECTIONAL CHARACTERISTICS OF CONFIG. 01T1B1 WITH BETA AT ALPHA=0

FOREBODY AXIAL FORCE COEFFICIENT, CAF



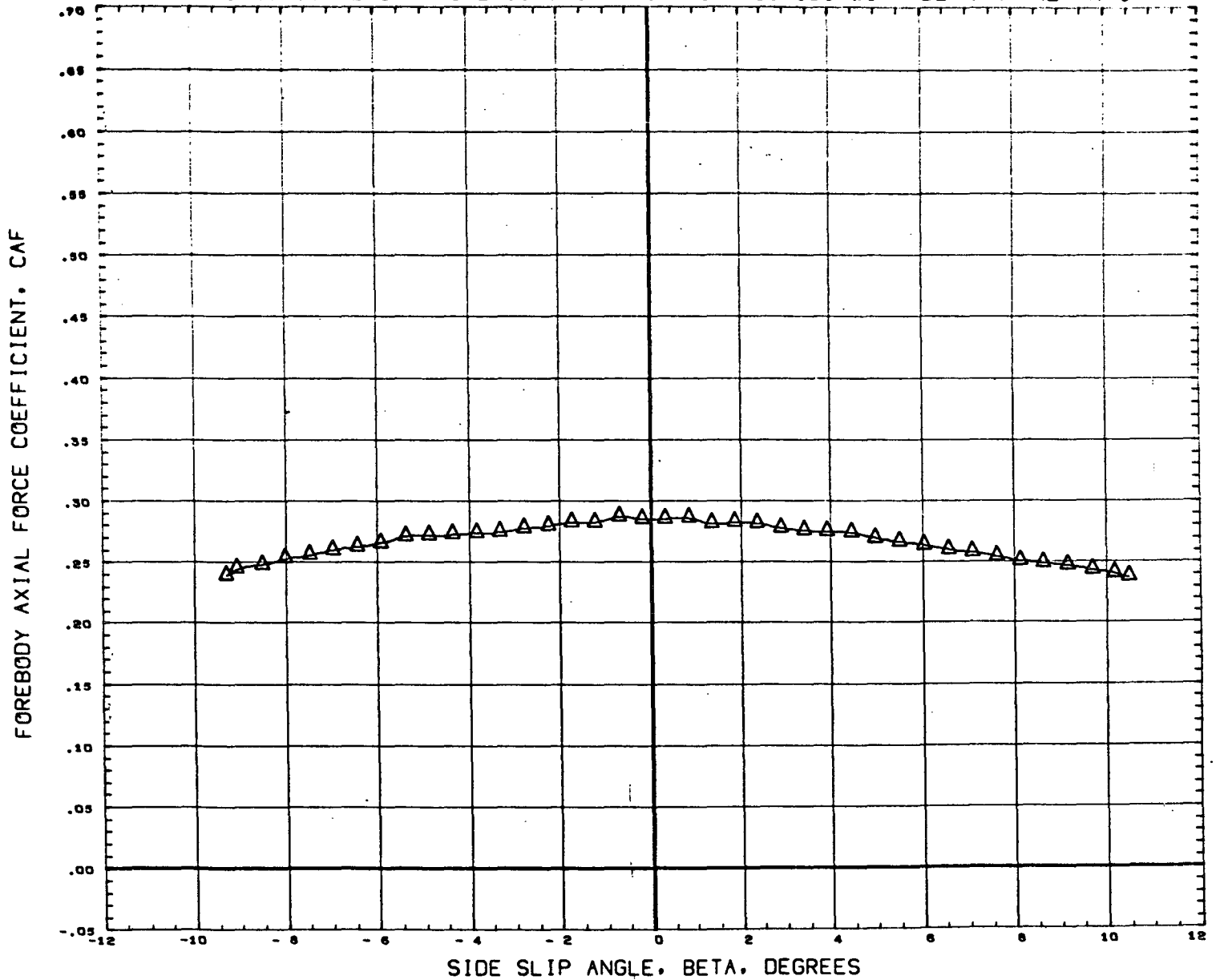
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RD7504) Q MDAC S-222 COMPOSITE (T-CG) 01T1B1  
(RD7506) DATA NOT AVAILABLE FOR ALL CONDITIONS

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3153.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	537.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

PAGE 215

# LATERAL-DIRECTIONAL CHARACTERISTICS OF CONFIG. 01T1B1 WITH BETA AT ALPHA=0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RD7504) DATA NOT AVAILABLE FOR ALL CONDITIONS  
(RD7506) MDAC S-222 COMPOSITE(T-CG) 01T1B1

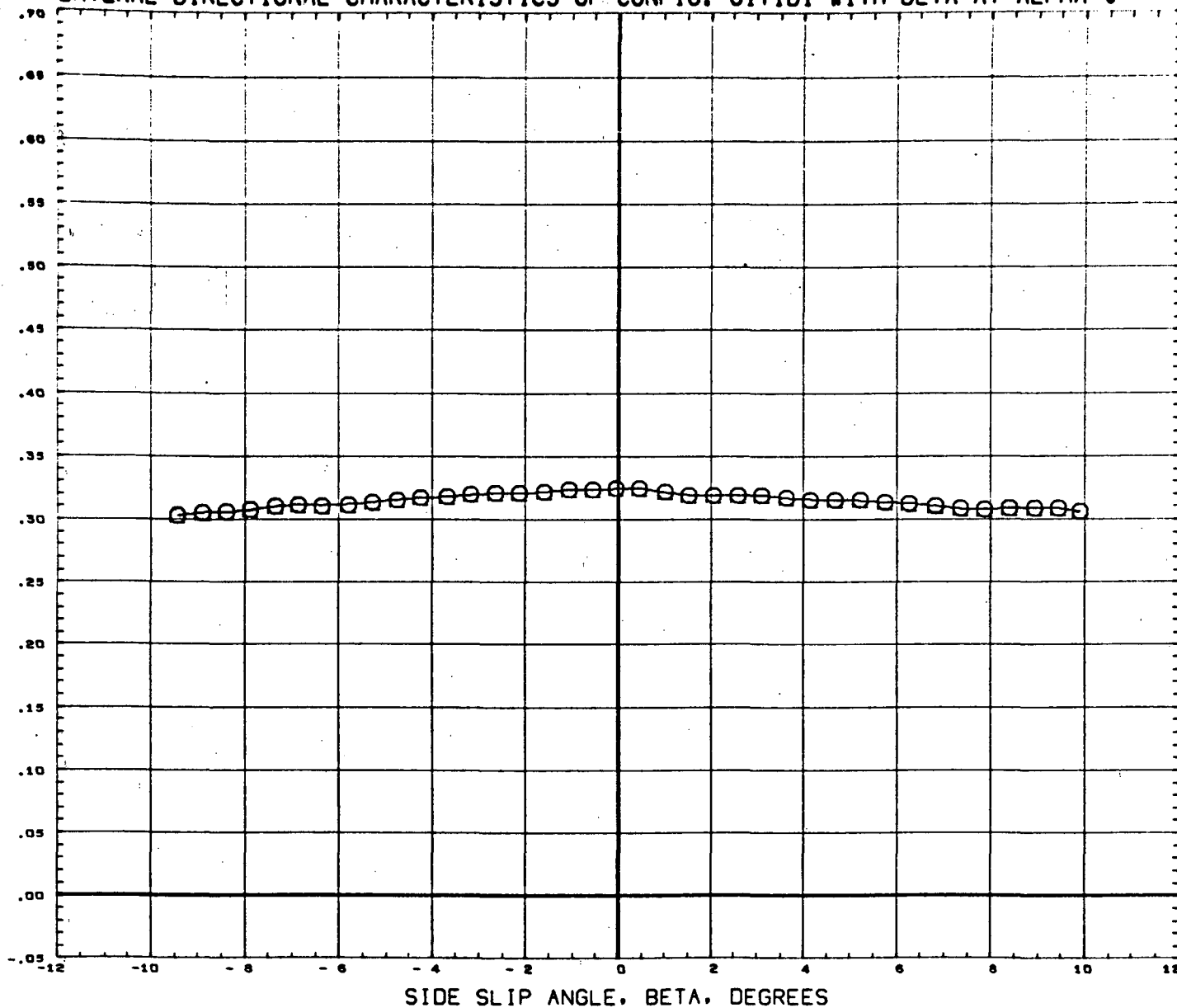
ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.08

PAGE 216

# LATERAL-DIRECTIONAL CHARACTERISTICS OF CONFIG. 01T1B1 WITH BETA AT ALPHA=0

FOREBODY AXIAL FORCE COEFFICIENT, CAF



DATA SET SYMBOL (RD7504) (RD7506) CONFIGURATION DESCRIPTION MDAC S-222 COMPOSITE (T-CG) 01T1B1 DATA NOT AVAILABLE FOR ALL CONDITIONS

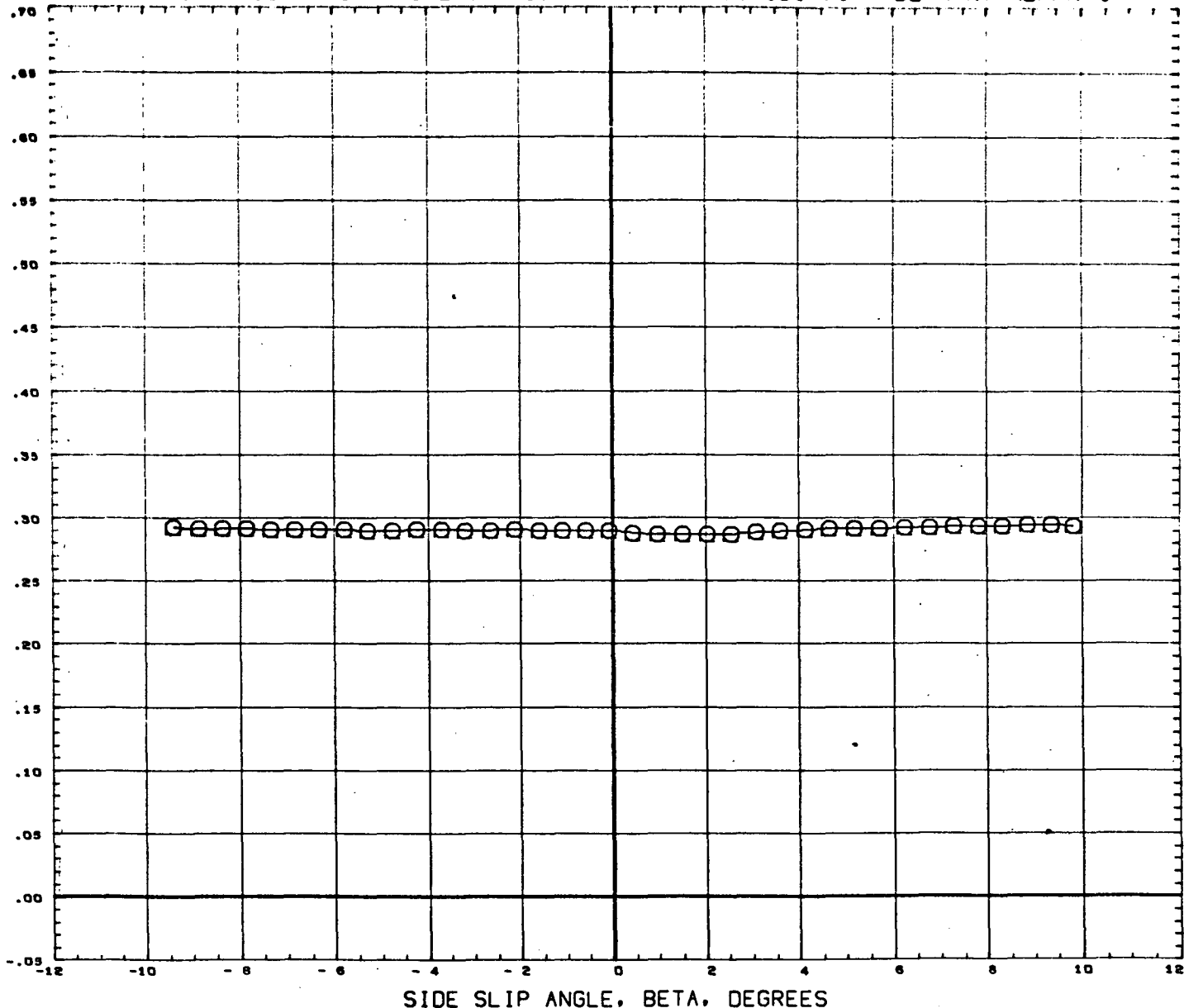
ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 217

# LATERAL-DIRECTIONAL CHARACTERISTICS OF CONFIG. 01T1B1 WITH BETA AT ALPHA=0

FOREBODY AXIAL FORCE COEFFICIENT, CAF



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RD7504) Q MDAC S-222 COMPOSITE(T-CG) 01T1B1  
(RD7506) Δ DATA NOT AVAILABLE FOR ALL CONDITIONS

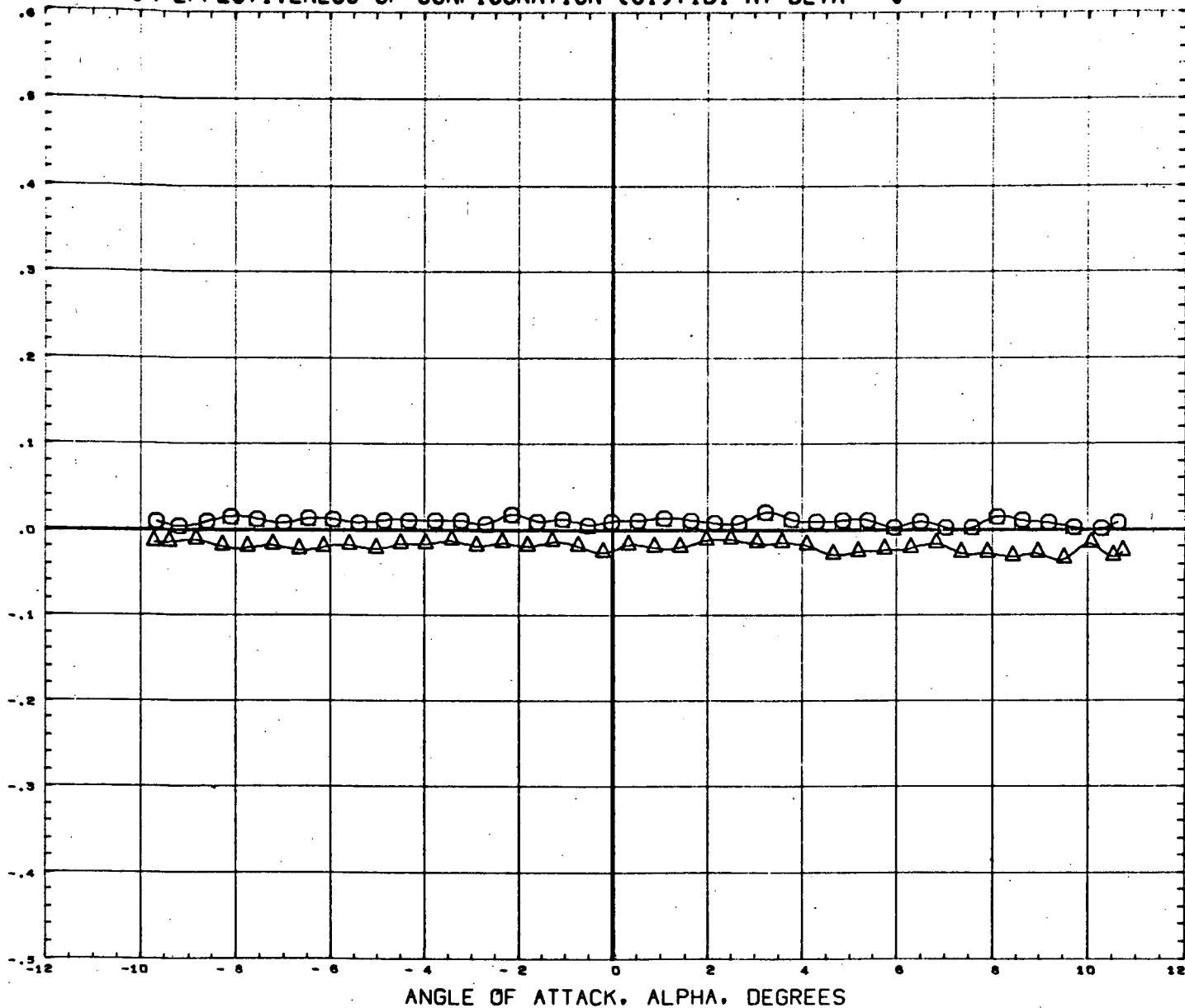
ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRF	557.0004 IN.
				YMRF	0.0000 IN.
				ZMRF	200.0004 IN.
				SCALE	0.0060

MACH 2.20

PAGE 218

# AILERON EFFECTIVENESS OF CONFIGURATION (01)T1B1 AT BETA = 0

LATERAL FORCE COEFFICIENT, CY



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD7401)	MDAC S-222 COMPOSITE (T-CG) (01) T1B1
(RD7404)	MDAC S-222 COMPOSITE (T-CG) (01) T1B1
(DD7501)	DATA NOT AVAILABLE FOR ALL CONDITIONS

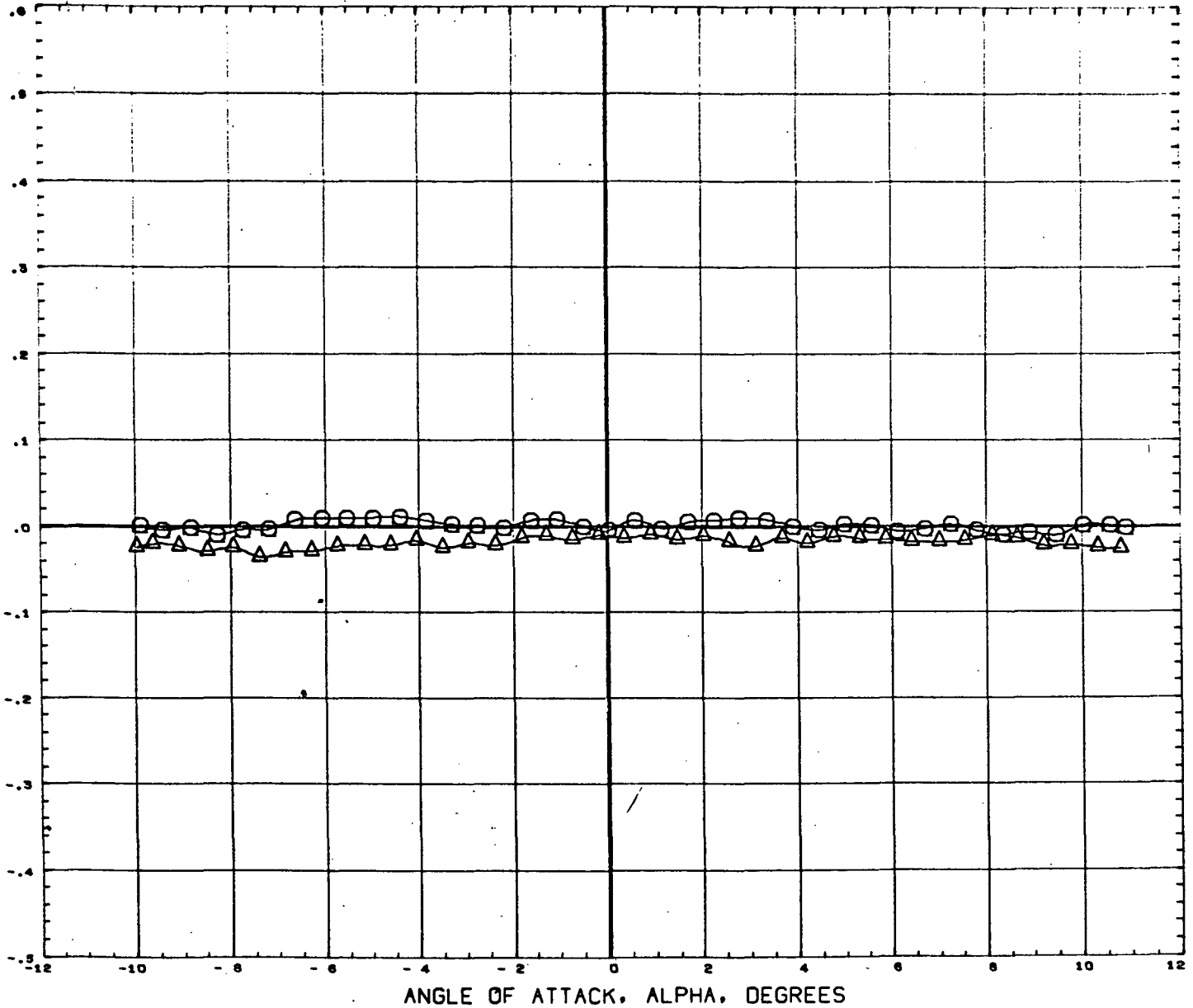
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
0.000	0.000	20.000	0.000	LREF 609.5004 IN.
0.000	0.000	0.000	0.000	BREF 882.0004 IN.
				XMRF 557.0004 IN.
				YMRF 0.0000 IN.
				ZMRF 200.0004 IN.
				SCALE 0.0060

MACH .59

PAGE 219

# AILERON EFFECTIVENESS OF CONFIGURATION (01)T1B1 AT BETA = 0

LATERAL FORCE COEFFICIENT, CY



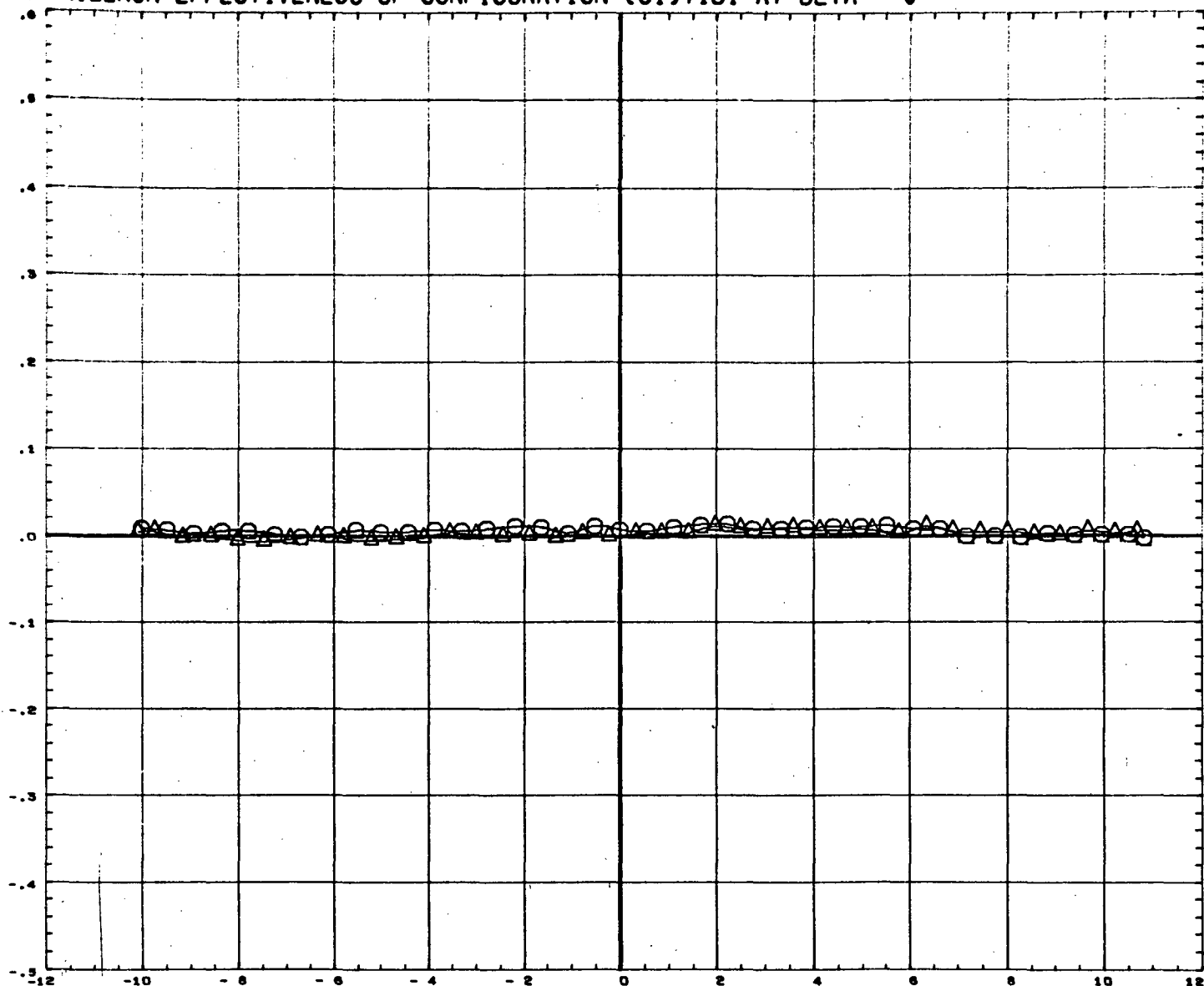
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7401)	MDAC S-222 COMPOSITE(T-CG) (01)T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7404)	MDAC S-222 COMPOSITE(T-CG) (01)T1B1	0.000	0.000	20.000	0.000	LREF	609.5004 IN.
(DD7501)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 220

# AILERON EFFECTIVENESS OF CONFIGURATION (01)T1B1 AT BETA = 0

LATERAL FORCE COEFFICIENT, CY



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RD7401)  $\bigcirc$  MDAC S-222 COMPOSITE (T-CG) (01)T1B1  
 (RD7404)  $\Delta$  MDAC S-222 COMPOSITE (T-CG) (01)T1B1  
 (DD7501)  $\diamond$  DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	20.000	0.000	LREF	609.5004 IN.
0.000	0.000	0.000	0.000	BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

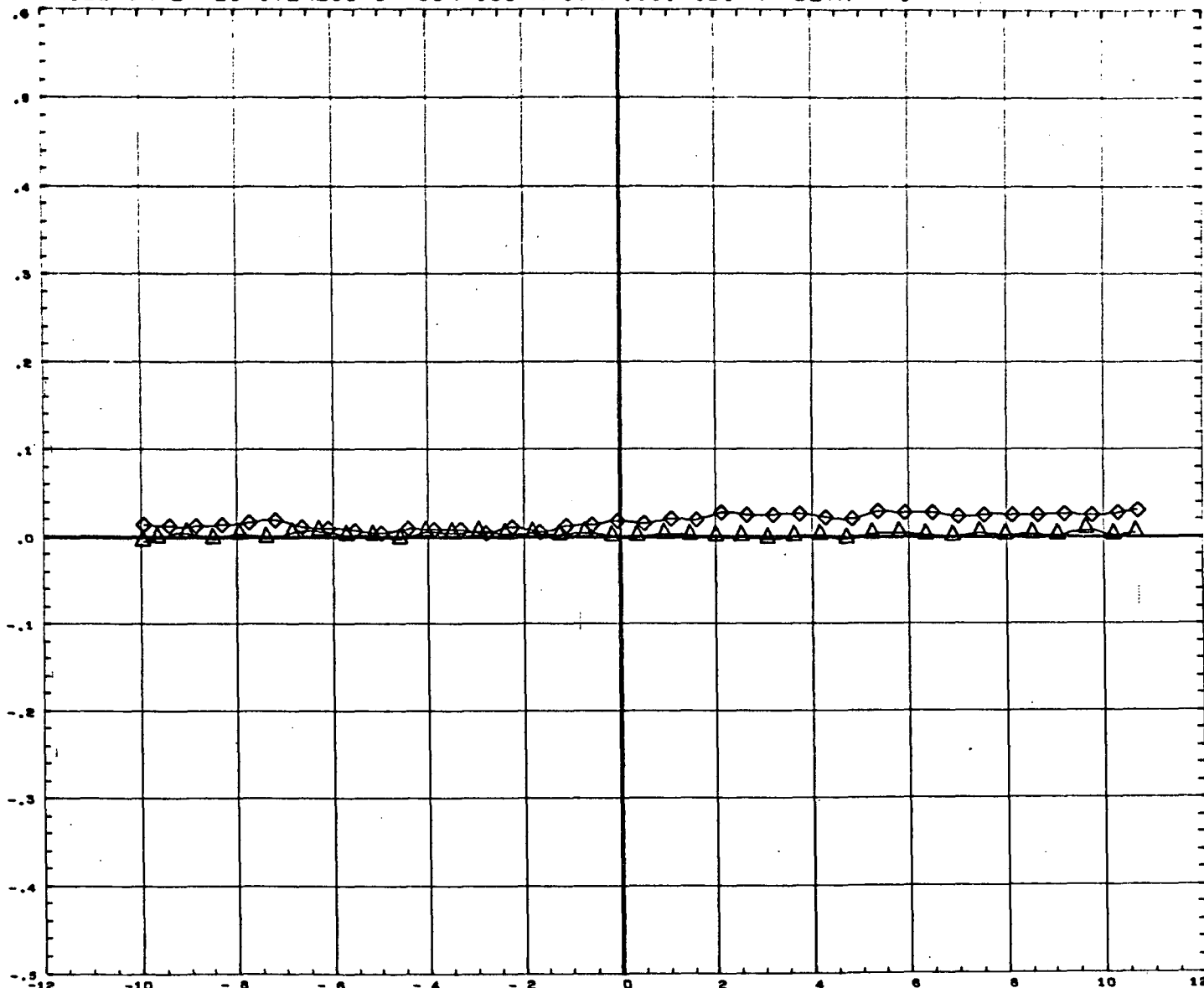
MACH

1.10

PAGE 221

# AILERON EFFECTIVENESS OF CONFIGURATION (01)T1B1 AT BETA = 0

LATERAL FORCE COEFFICIENT, CY



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7401)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7404)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1	0.000	0.000	20.000	0.000	LREF	609.5004 IN.
(DD7501)	MDAC S-222 COMPOSITE (T-CG) 01T1B1	0.000	0.000	0.000	0.000	BREF	682.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH

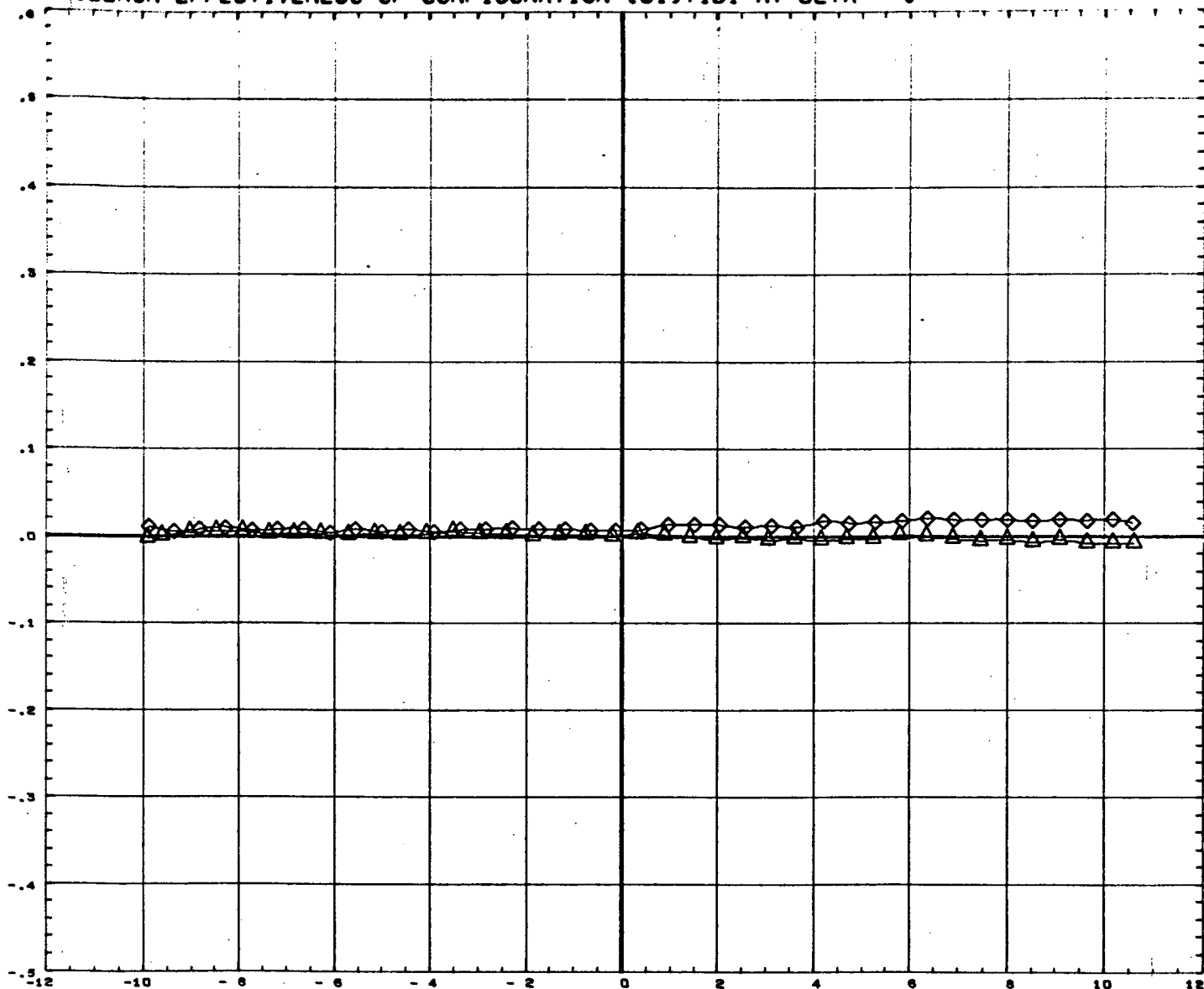
1.51

PAGE 222



# AILERON EFFECTIVENESS OF CONFIGURATION (01)T1B1 AT BETA = 0

LATERAL FORCE COEFFICIENT, CY



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(R07401) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (R07404) MDAC S-222 COMPOSITE(T-CG) (01) T1B1  
 (D07501) MDAC S-222 COMPOSITE(T-CG) 01T1B1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
0.000	0.000	20.000	0.000	LREF	609.5004	IN.
0.000	0.000	0.000	0.000	BREF	882.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

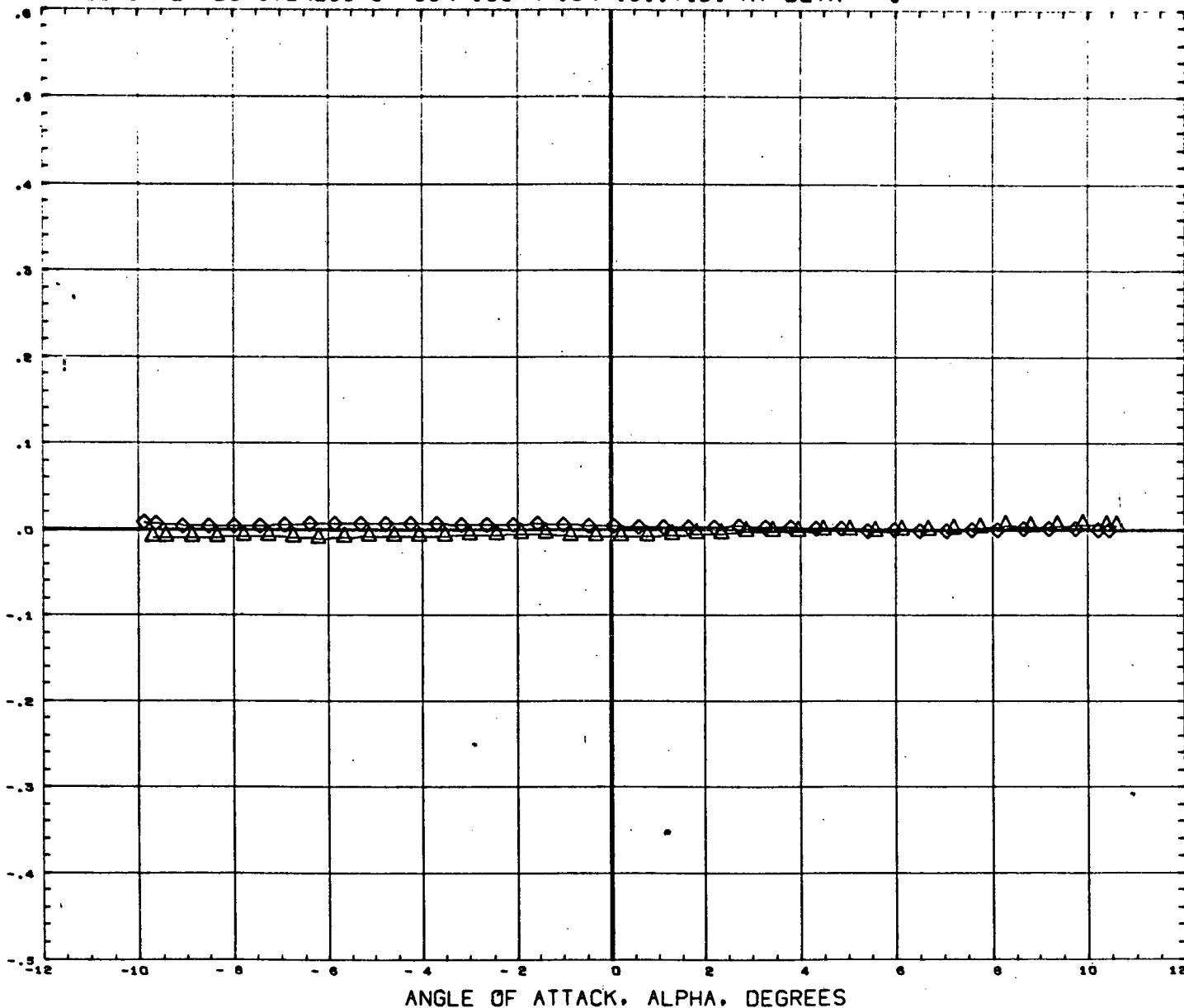
MACH

2.20

PAGE 223

# AILERON EFFECTIVENESS OF CONFIGURATION (01)T1B1 AT BETA = 0

LATERAL FORCE COEFFICIENT, CY



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(R07401)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R07404)	MDAC S-222 COMPOSITE(T-CG) (01)T1B1
(D07501)	MDAC S-222 COMPOSITE(T-CG) 01T1B1

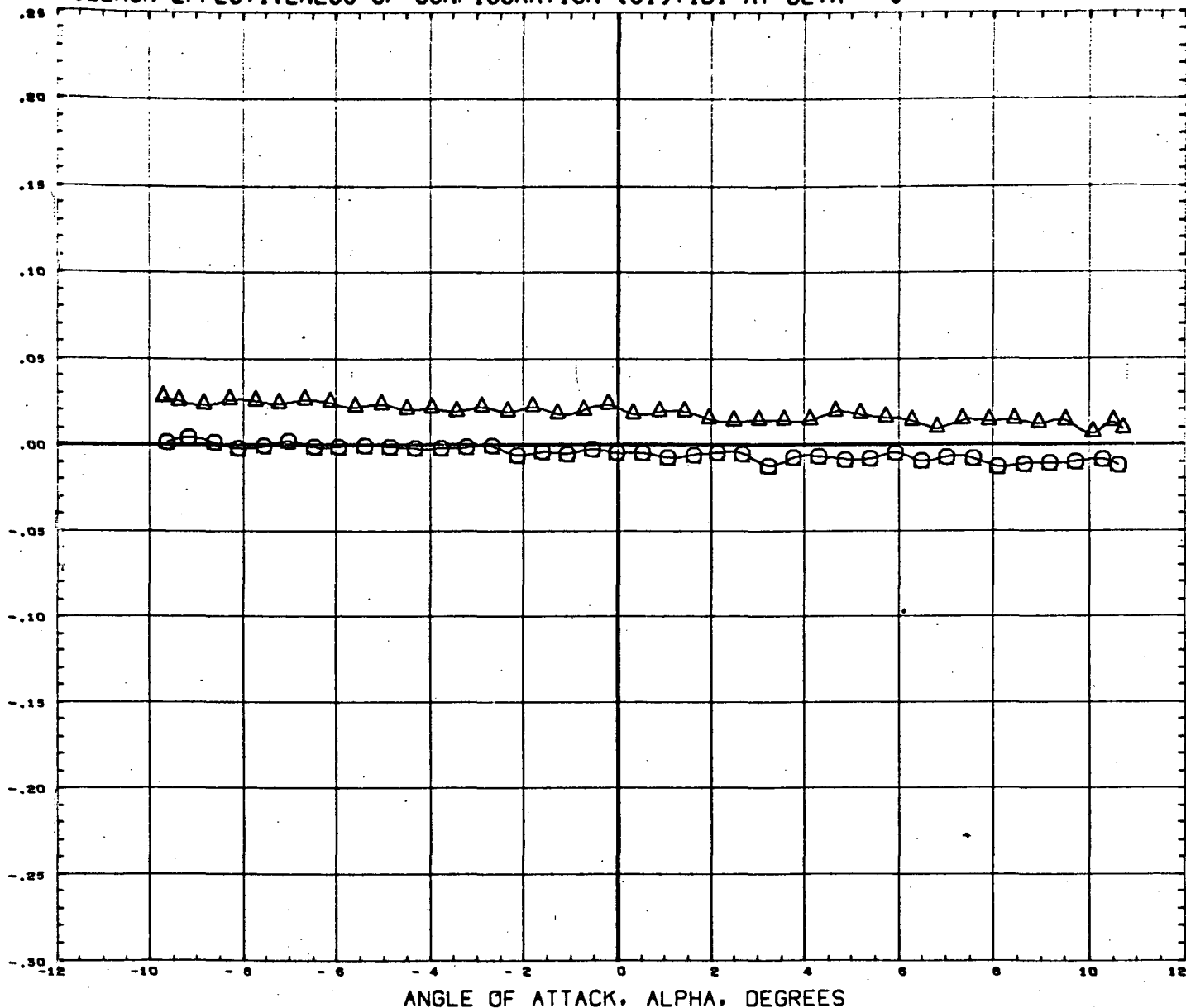
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	20.000	0.000	LREF	609.5004 IN.
0.000	0.000	0.000	0.000	BREF	882.0004 IN.
				XMRF	557.0004 IN.
				YMRF	0.0000 IN.
				ZMRF	200.0004 IN.
				SCALE	0.0060

MACH 4.47

PAGE 224

# AILERON EFFECTIVENESS OF CONFIGURATION (01)T1B1 AT BETA = 0

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



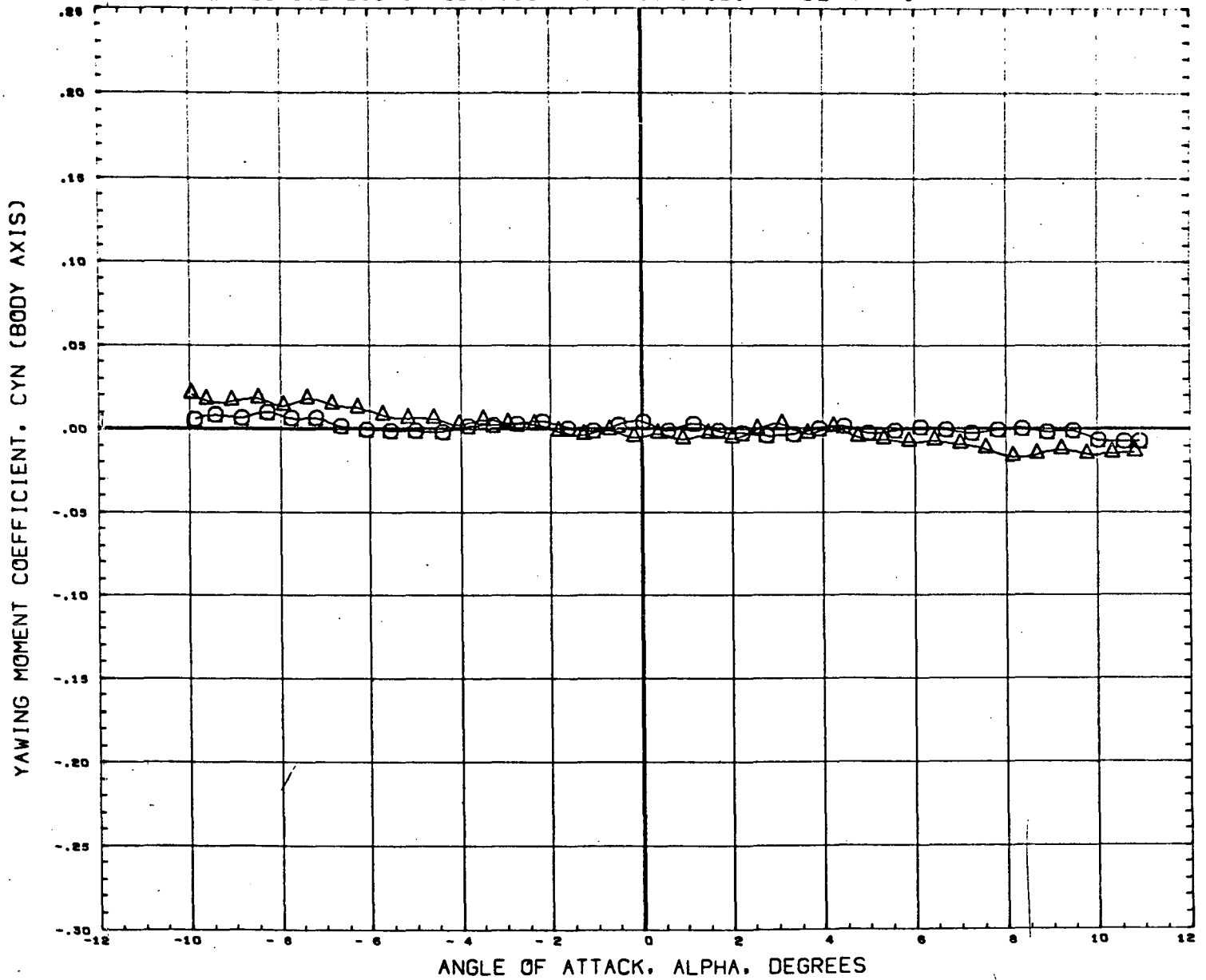
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7401)	MDAC S-222 COMPOSITE (T-C6) (01) T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7404)	MDAC S-222 COMPOSITE (T-C6) (01) T1B1	0.000	0.000	20.000	0.000	LREF	609.3004 IN.
(RD7501)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH

.59

PAGE 225

# AILERON EFFECTIVENESS OF CONFIGURATION (01)T1B1 AT BETA = 0



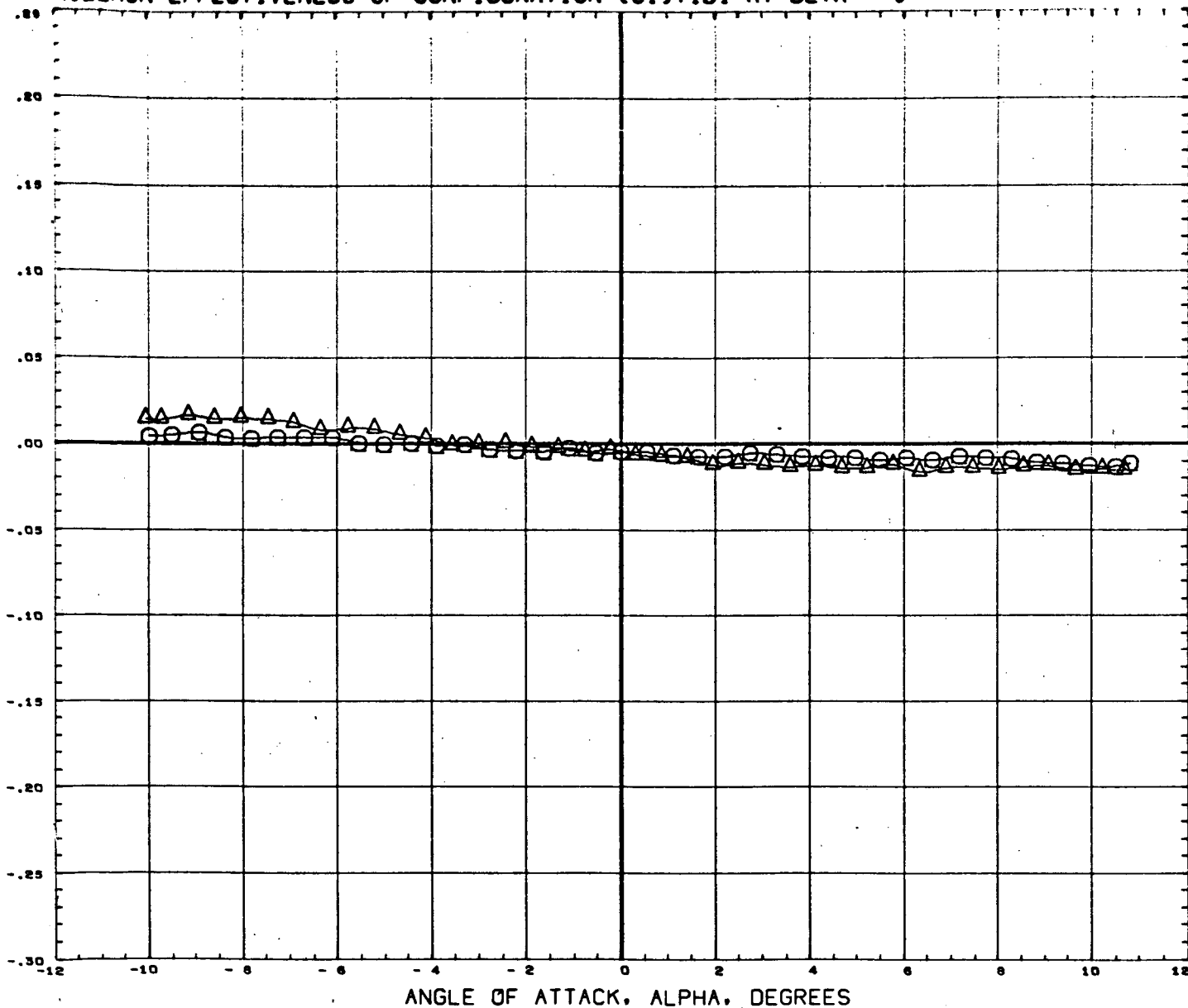
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7401)	MDAC S-222 COMPOSITE (T-CG) (01) T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7404)	MDAC S-222 COMPOSITE (T-CG) (01) T1B1	0.000	0.000	20.000	0.000	LREF	609.3004 IN.
(DD7501)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 226

# AILERON EFFECTIVENESS OF CONFIGURATION (01)T1B1 AT BETA = 0

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



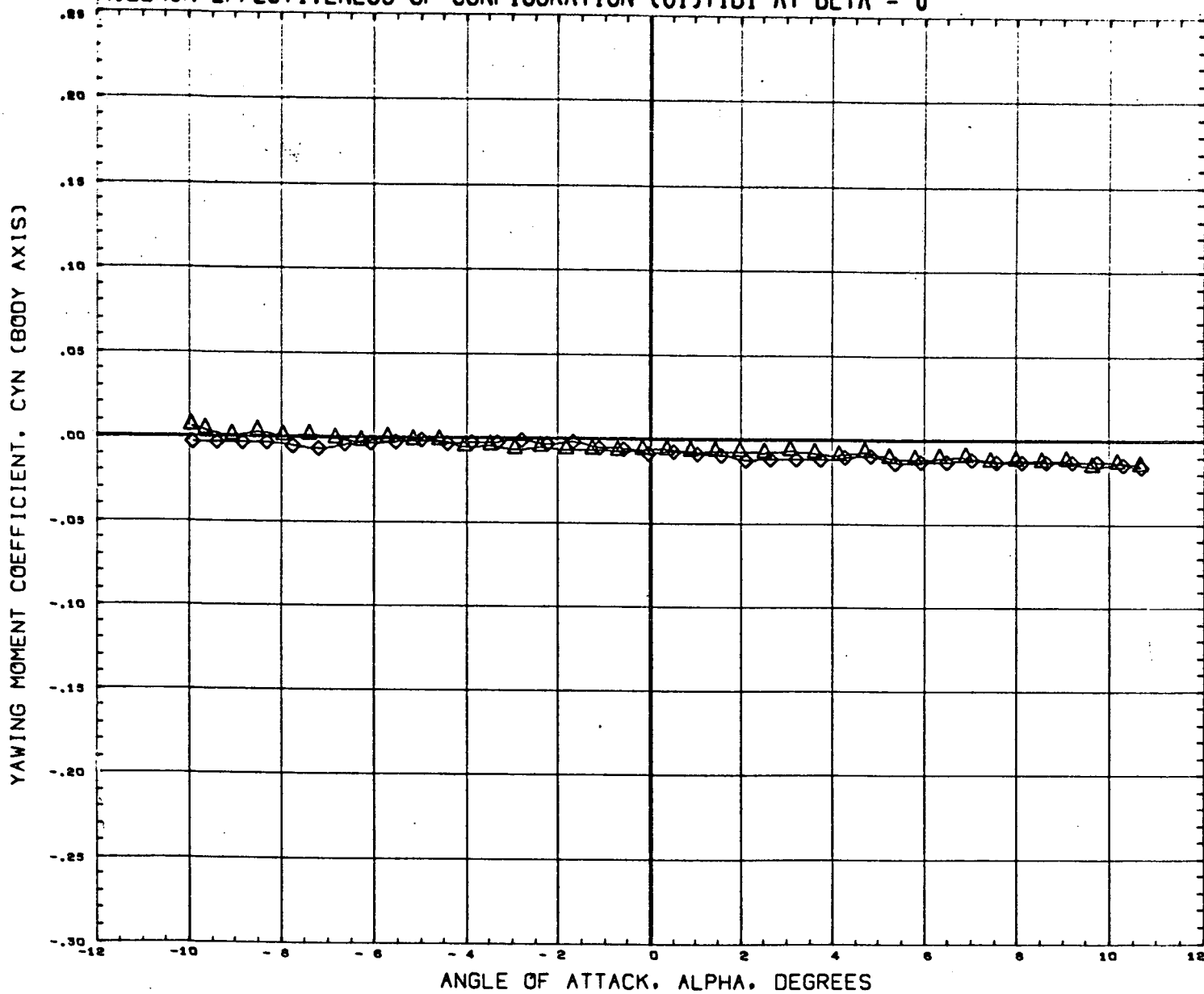
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RD7401) MDAC S-222 COMPOSITE (T-CG) (01)T1B1  
 (RD7404) MDAC S-222 COMPOSITE (T-CG) (01)T1B1  
 (DD7501) DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	20.000	0.000	LREF	609.5004 IN.
0.000	0.000	0.000	0.000	BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.10

PAGE 227

# AILERON EFFECTIVENESS OF CONFIGURATION (01)T1B1 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD7401)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD7404)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1
(DD7501)	MDAC S-222 COMPOSITE (T-CG) 01T1B1

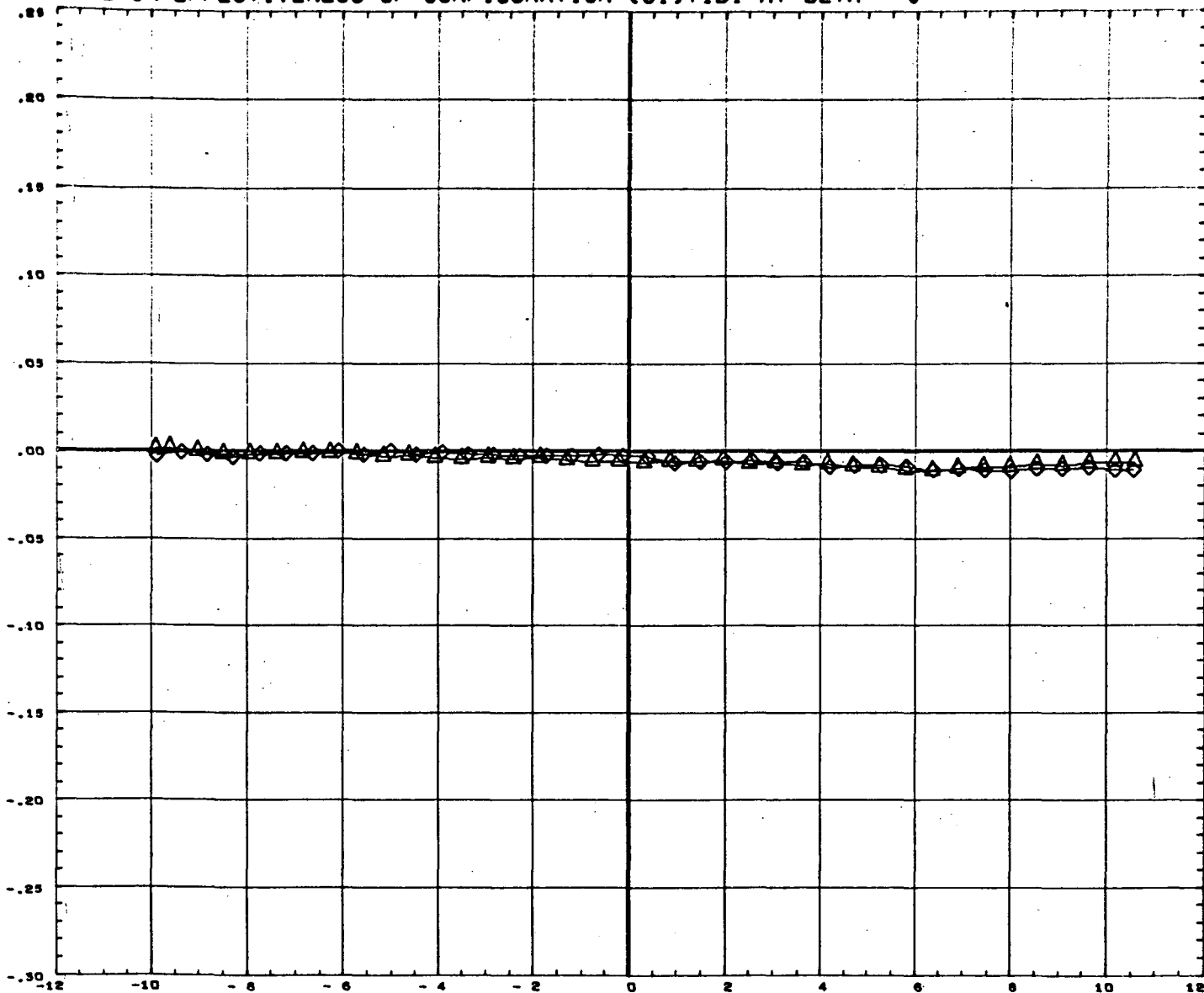
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	20.000	0.000	LREF	609.5004 IN.
0.000	0.000	0.000	0.000	BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0080

MACH 1.51

PAGE 228

# AILERON EFFECTIVENESS OF CONFIGURATION (01)T1B1 AT BETA = 0

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



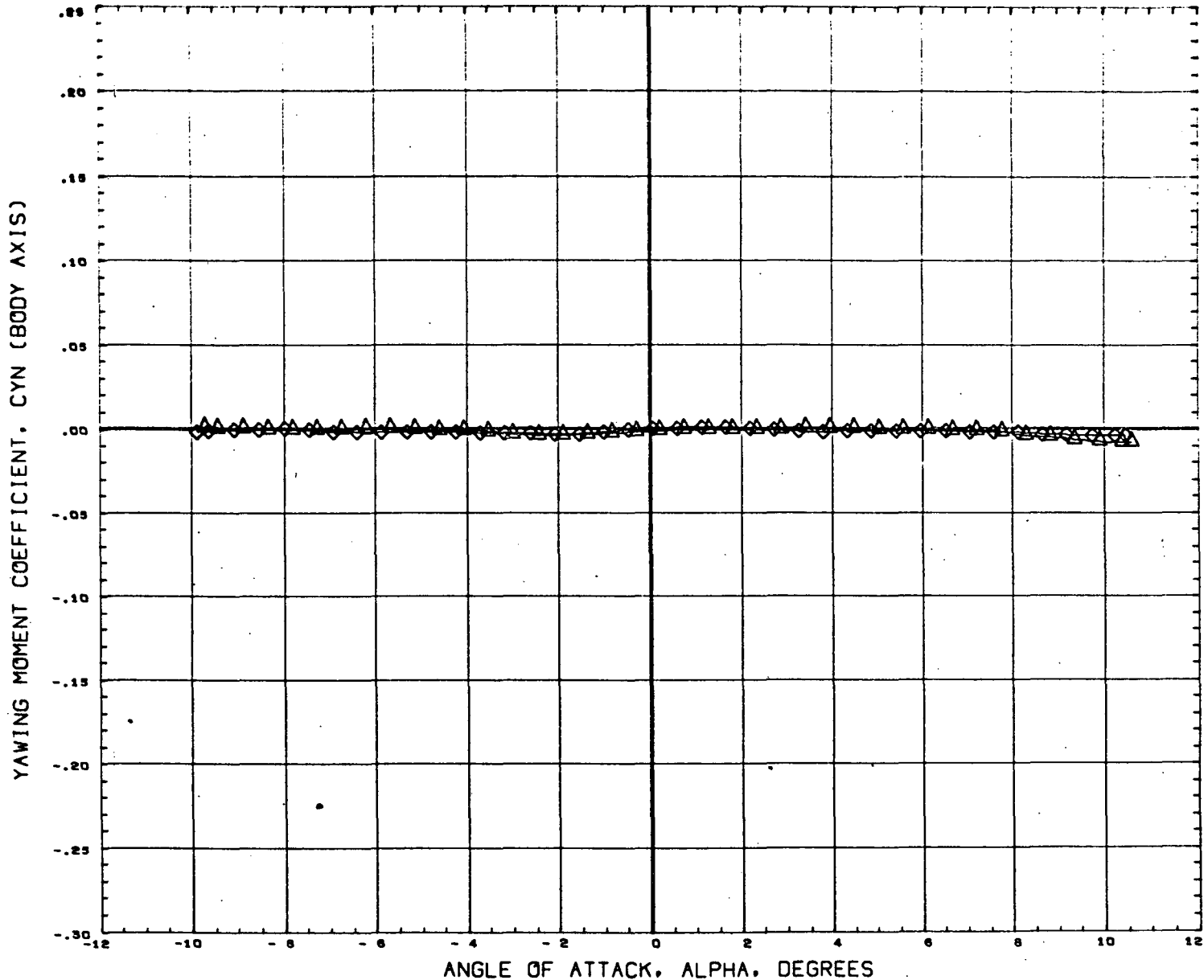
ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7401)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7404)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1	0.000	0.000	20.000	0.000	LREF	609.5004 IN.
(DD7501)	MDAC S-222 COMPOSITE (T-CG) 01T1B1	0.000	0.000	0.000	0.000	SREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 229

# AILERON EFFECTIVENESS OF CONFIGURATION (01)T1B1 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(R07401)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(R07404)	MDAC S-222 COMPOSITE(T-CG) (01)T1B1
(007501)	MDAC S-222 COMPOSITE(T-CG) 01T1B1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	20.000	0.000	LREF	609.5004 IN.
0.000	0.000	0.000	0.000	BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

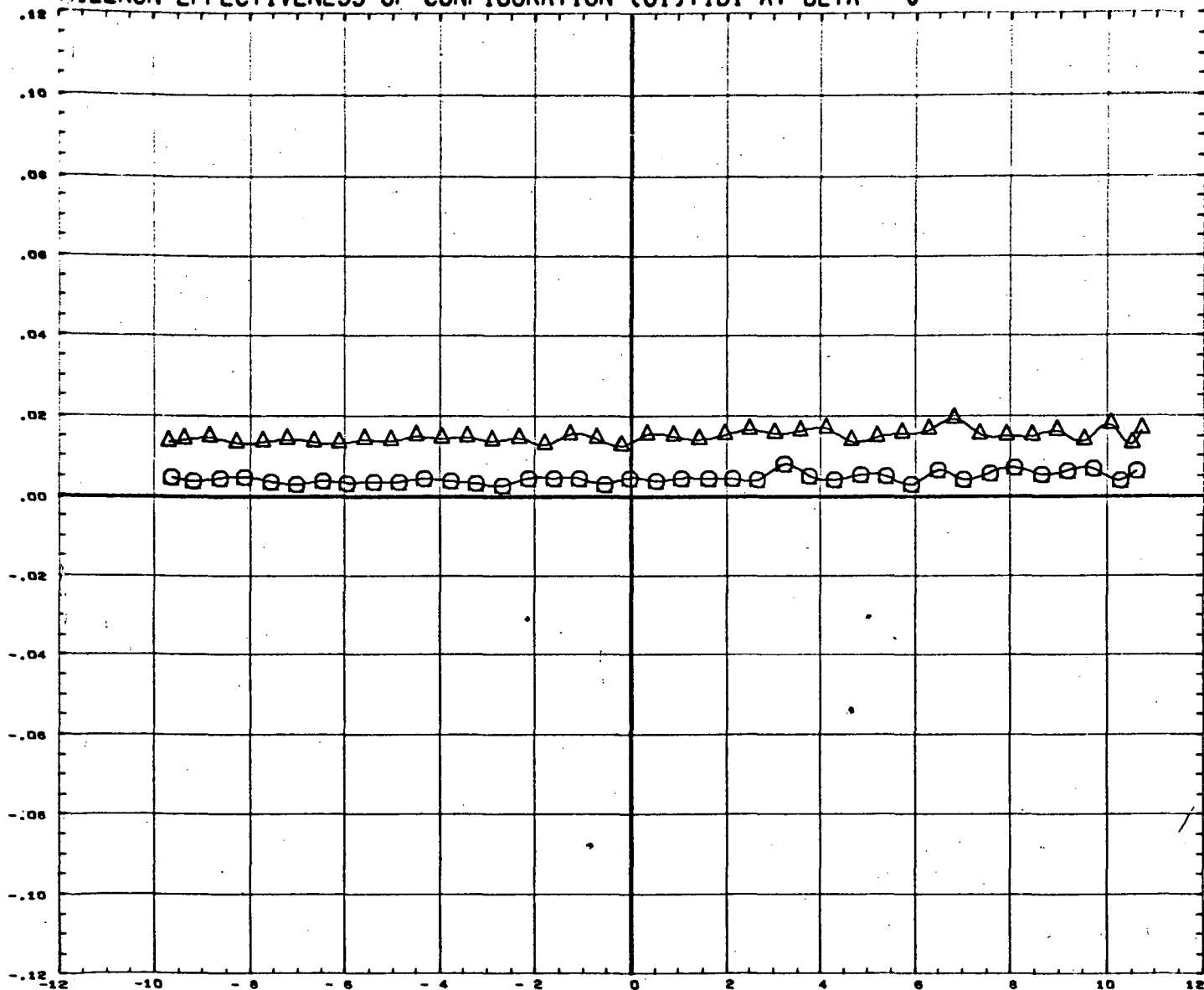
MACH 4.47

PAGE 230



# AILERON EFFECTIVENESS OF CONFIGURATION (01)T1B1 AT BETA = 0

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

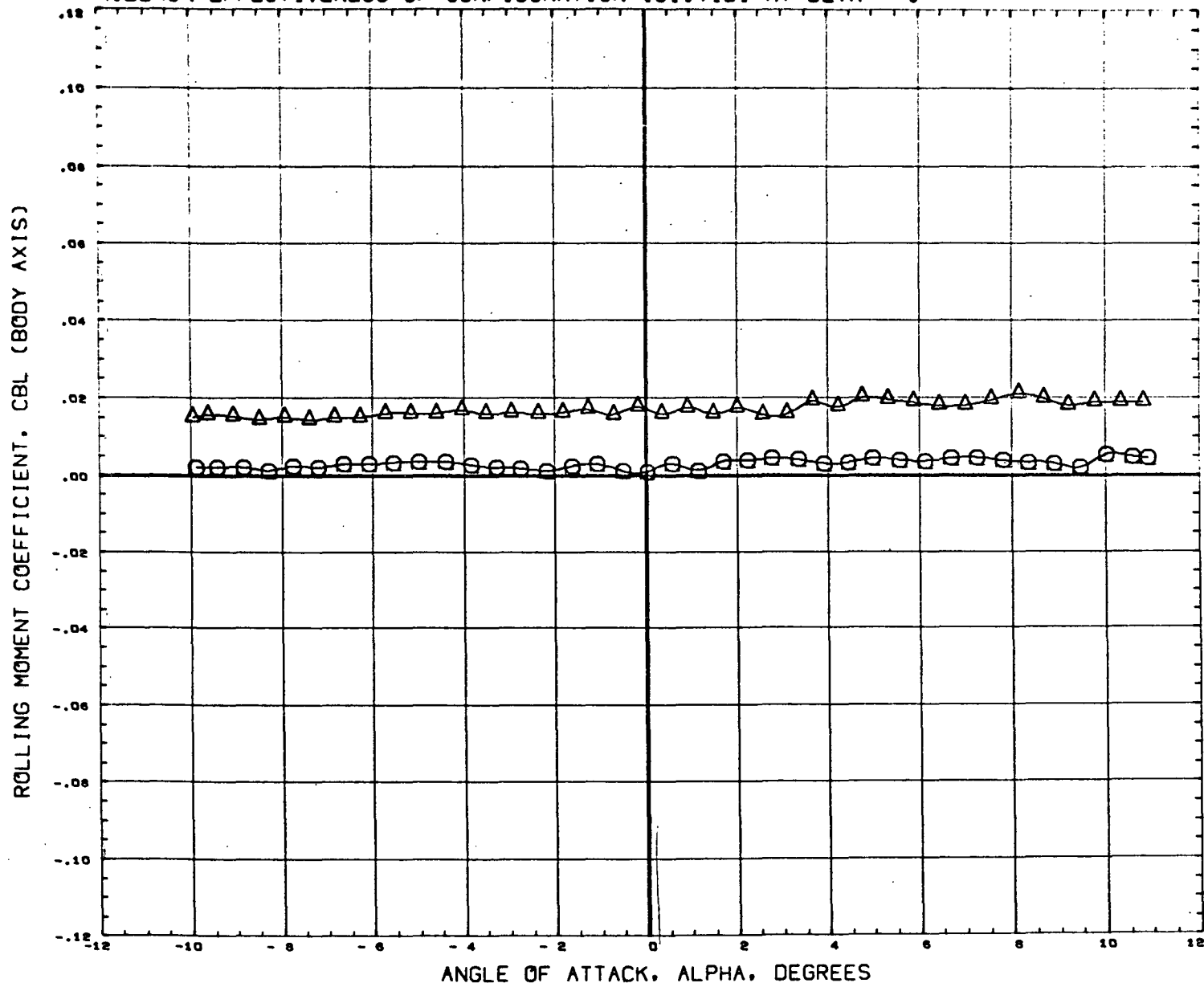
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7401)	△	MDAC S-222 COMPOSITE (T-CG) (01)T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7404)	○	MDAC S-222 COMPOSITE (T-CG) (01)T1B1	0.000	0.000	20.000	0.000	LREF	609.5004 IN.
(DD7501)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
							XMRF	557.0004 IN.
							YMRF	0.0000 IN.
							ZMRF	200.0004 IN.
							SCALE	0.0060

MACH

.59

PAGE 231

# AILERON EFFECTIVENESS OF CONFIGURATION (01)T1B1 AT BETA = 0



DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (RD7401)    ○    MDAC S-222 COMPOSITE(T-CG) (01)T1B1  
 (RD7404)    △    MDAC S-222 COMPOSITE(T-CG) (01)T1B1  
 (DD7501)    ◇    DATA NOT AVAILABLE FOR ALL CONDITIONS

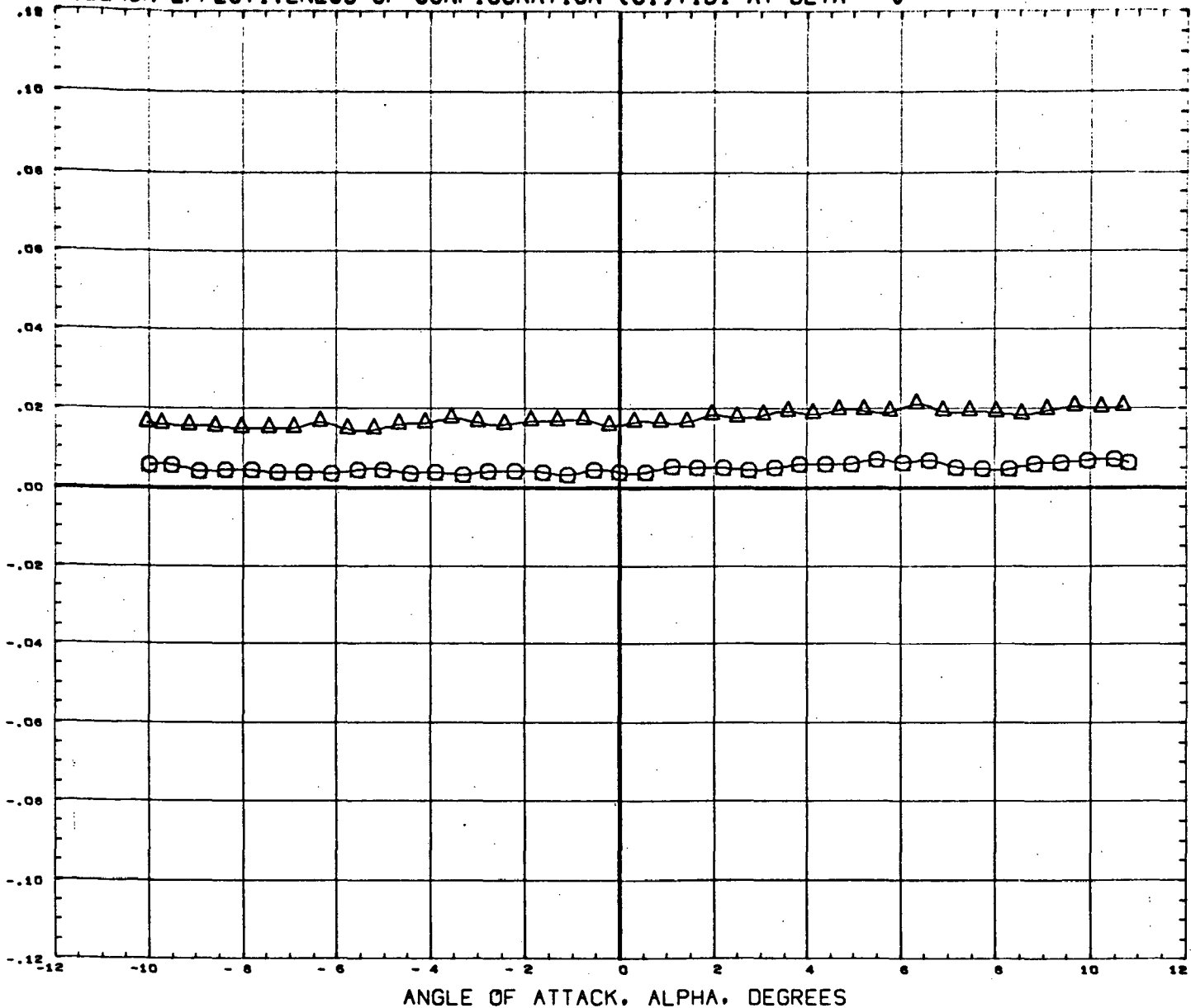
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	20.000	0.000	LREF	609.9004 IN.
0.000	0.000	0.000	0.000	BREF	882.0004 IN.
				XMRP	537.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .90

PAGE 232

# AILERON EFFECTIVENESS OF CONFIGURATION (01)T1B1 AT BETA = 0

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RD7401) MDAC S-222 COMPOSITE (T-CG) (01)T1B1  
 (RD7404) MDAC S-222 COMPOSITE (T-CG) (01)T1B1  
 (DD7501) DATA NOT AVAILABLE FOR ALL CONDITIONS

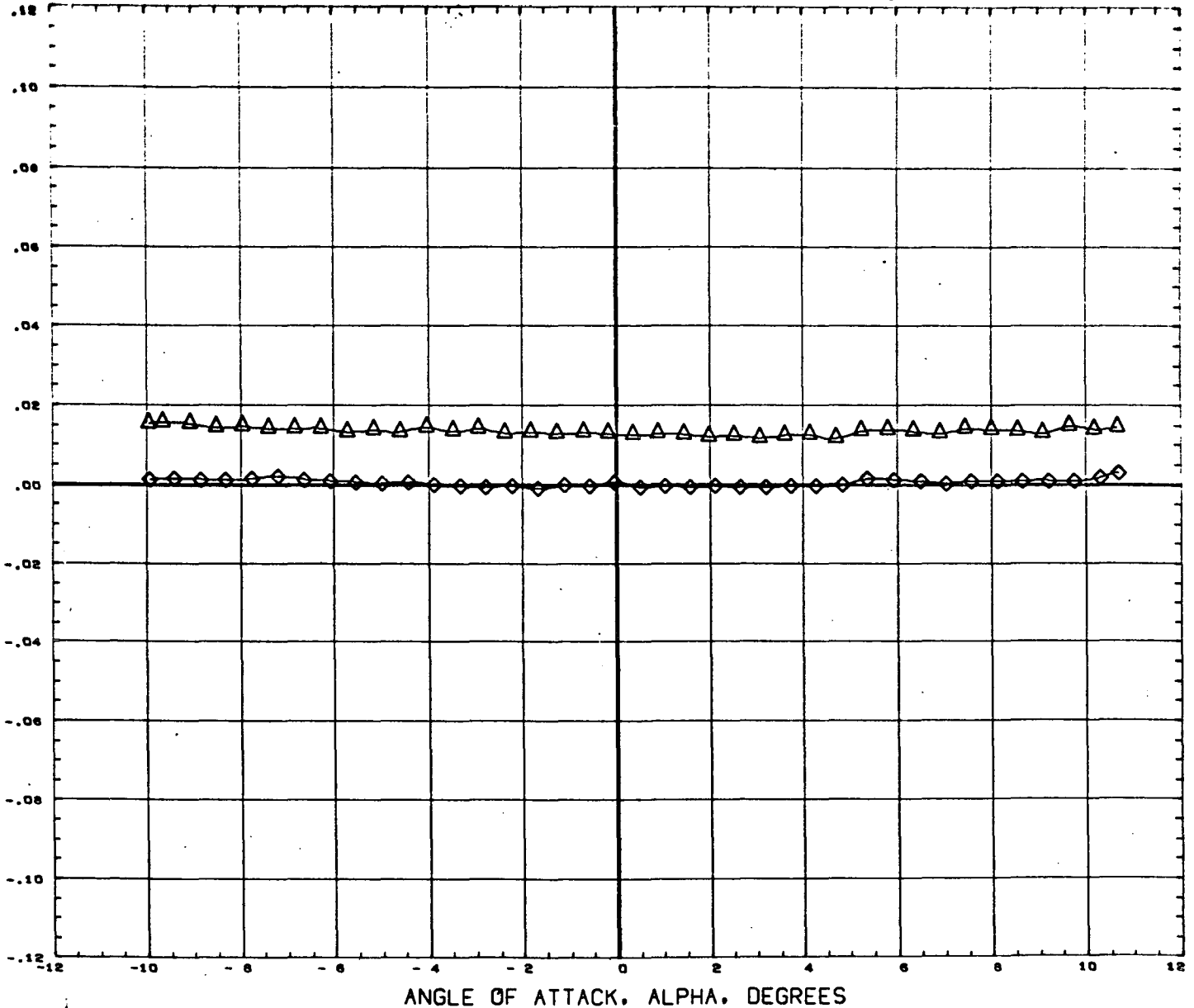
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	20.000	0.000	LREF	609.5004 IN.
0.000	0.000	0.000	0.000	BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.10

PAGE 233

# AILERON EFFECTIVENESS OF CONFIGURATION (01)T1B1 AT BETA = 0

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(R07401) DATA NOT AVAILABLE FOR ALL CONDITIONS  
(R07404) MDAC S-222 COMPOSITE (T-CG) (01)T1B1  
(D07501) MDAC S-222 COMPOSITE (T-CG) 01T1B1

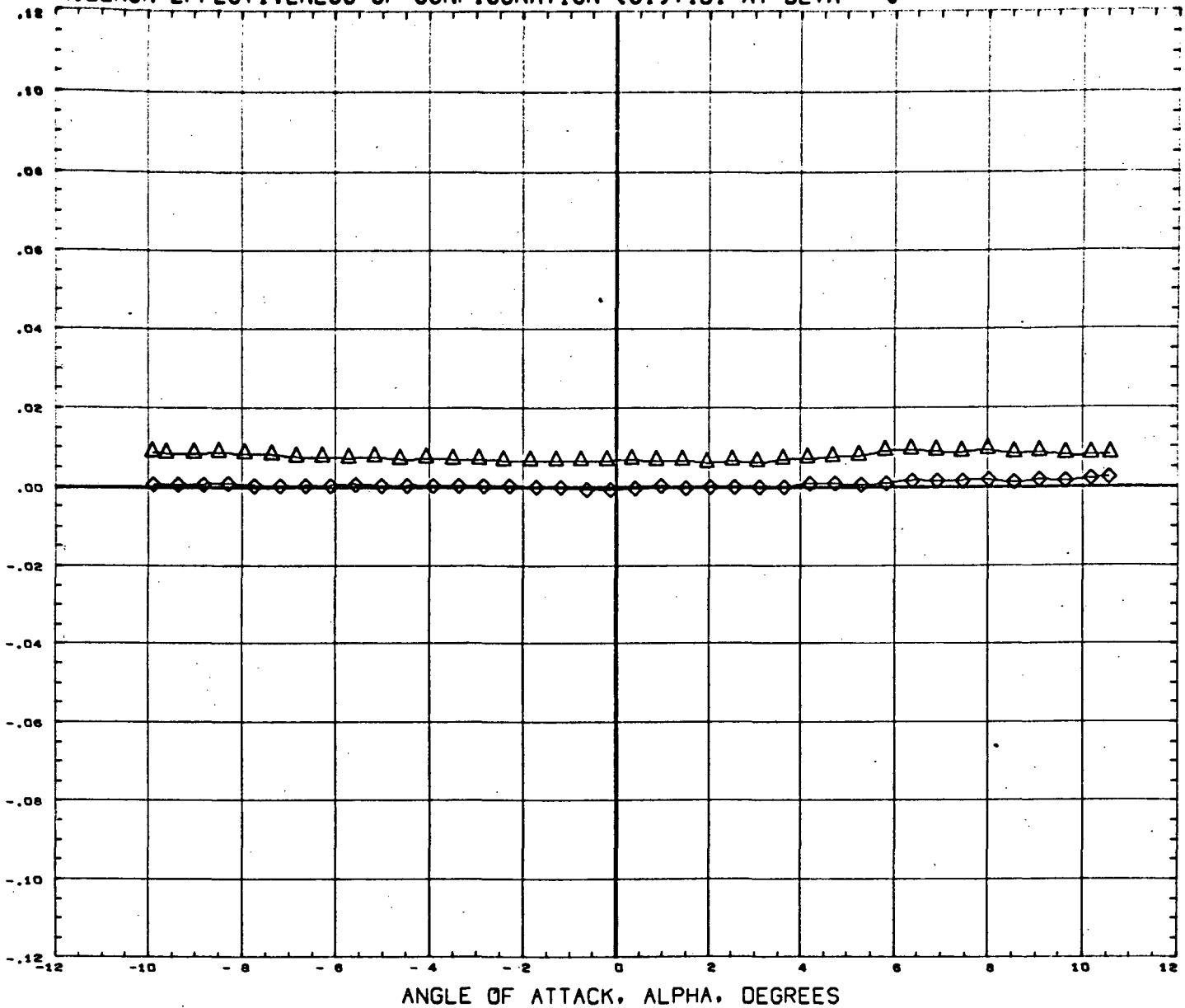
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	20.000	0.000	LREF	609.5004 IN.
0.000	0.000	0.000	0.000	BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 234

# AILERON EFFECTIVENESS OF CONFIGURATION (01)T1B1 AT BETA = 0

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RD7401) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (RD7404) MDAC S-222 COMPOSITE (T-CG) (01)T1B1  
 (DD7501) MDAC S-222 COMPOSITE (T-CG) 01T1B1

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	20.000	0.000
0.000	0.000	0.000	0.000

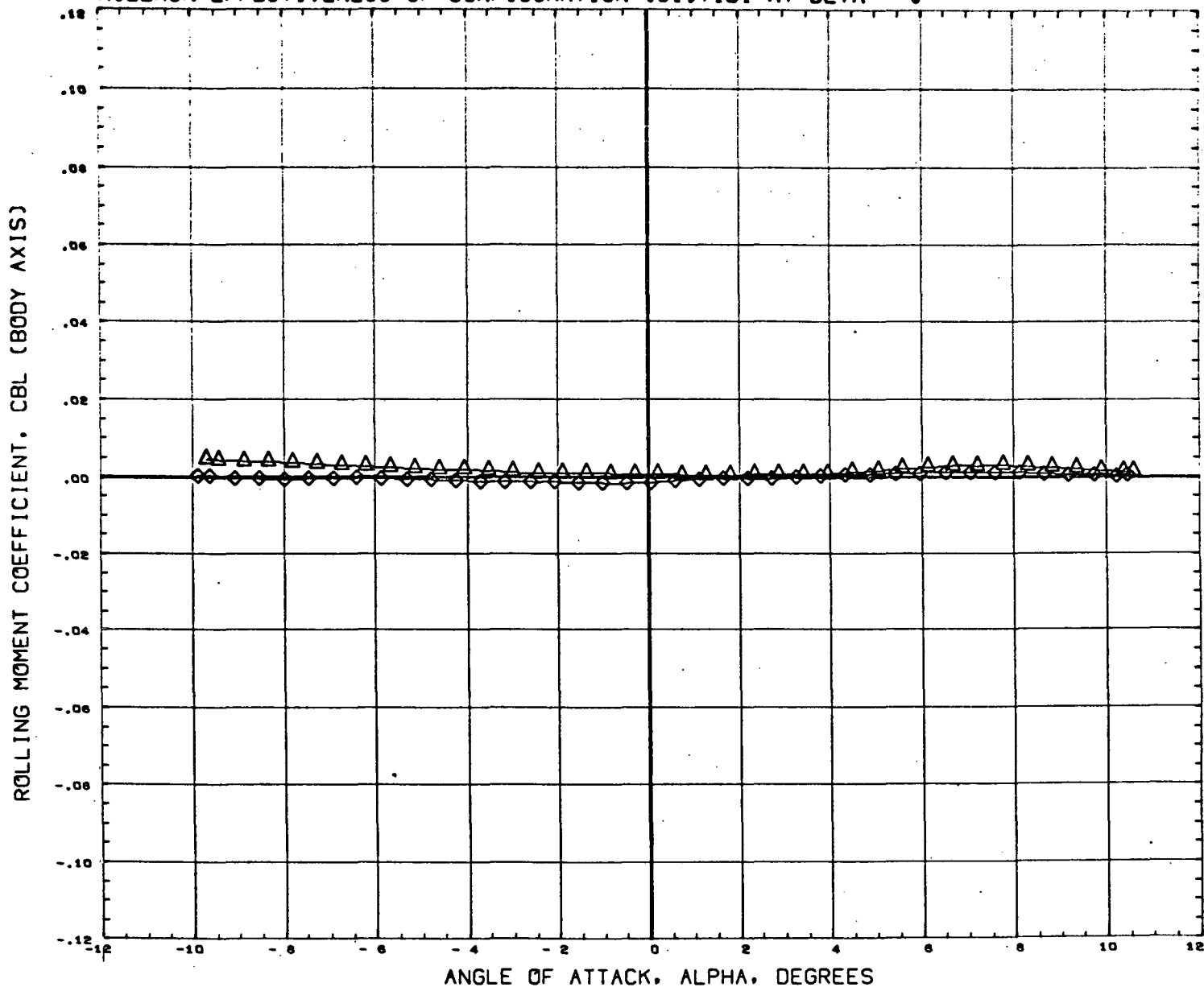
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRF	557.0004	IN.
YMRF	0.0000	IN.
ZMRF	200.0004	IN.
SCALE	0.0060	

MACH

2.20

PAGE 235

# AILERON EFFECTIVENESS OF CONFIGURATION (01)T1B1 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD7401)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD7404)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1
(DD7501)	MDAC S-222 COMPOSITE (T-CG) 01T1B1

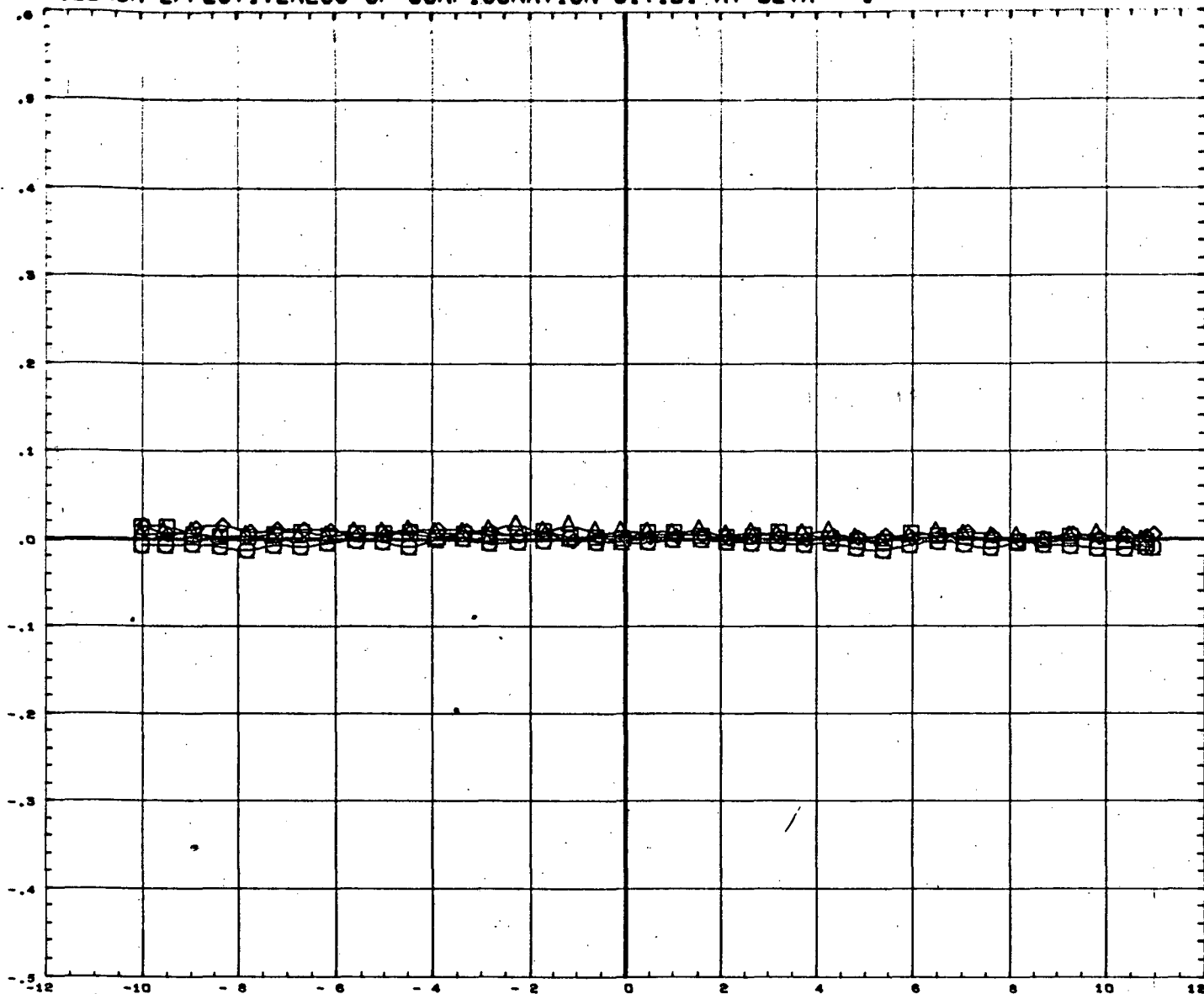
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
0.000	0.000	20.000	0.000	LREF	609.5004	IN.
0.000	0.000	0.000	0.000	BREF	882.0004	IN.
				XMRP	957.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH 4.47

PAGE 236

# AILERON EFFECTIVENESS OF CONFIGURATION 011B1 AT BETA = 0

LATERAL FORCE COEFFICIENT, CY



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RD7534)	MDAC S-222 COMPOSITE (T-CG) 011B1
(RD7528)	MDAC S-222 COMPOSITE (T-CG) 011B1
(RD7532)	MDAC S-222 COMPOSITE (T-CG) 011B1
(RD7530)	MDAC S-222 COMPOSITE (T-CG) 011B1

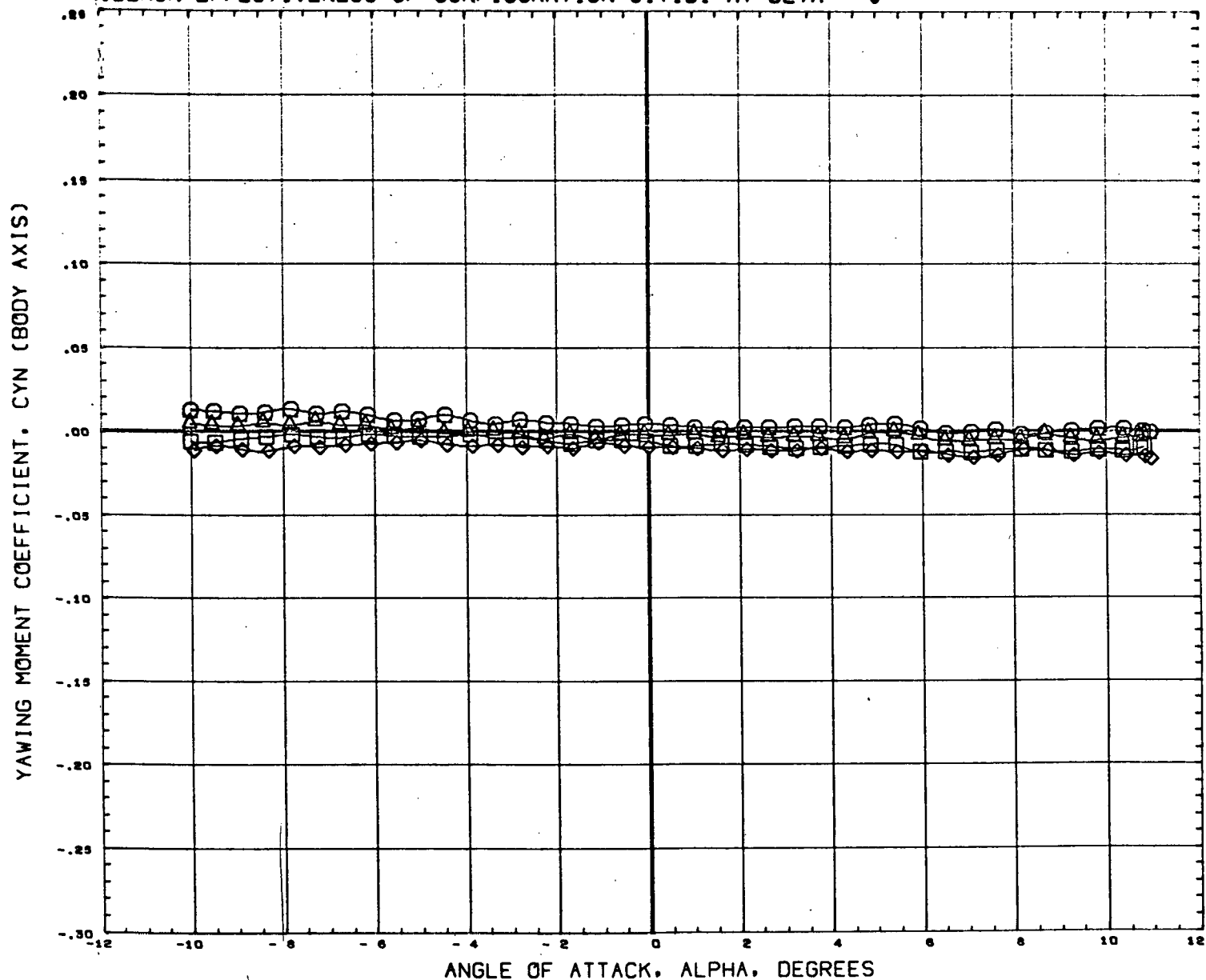
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	-10.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
0.000	0.000	10.000	0.000	BREF	882.0004 IN.
0.000	0.000	20.000	0.000	XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH

1.51

PAGE 237

# AILERON EFFECTIVENESS OF CONFIGURATION 01T1B1 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(R07534)	MDAC S-222 COMPOSITE (T-CG) 01T1B1	0.000	0.000	-10.000	0.000	SREF	3155.3040 SQ.FT.
(R07528)	MDAC S-222 COMPOSITE (T-CG) 01T1B1	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(R07532)	MDAC S-222 COMPOSITE (T-CG) 01T1B1	0.000	0.000	10.000	0.000	BREF	882.0004 IN.
(R07530)	MDAC S-222 COMPOSITE (T-CG) 01T1B1	0.000	0.000	20.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

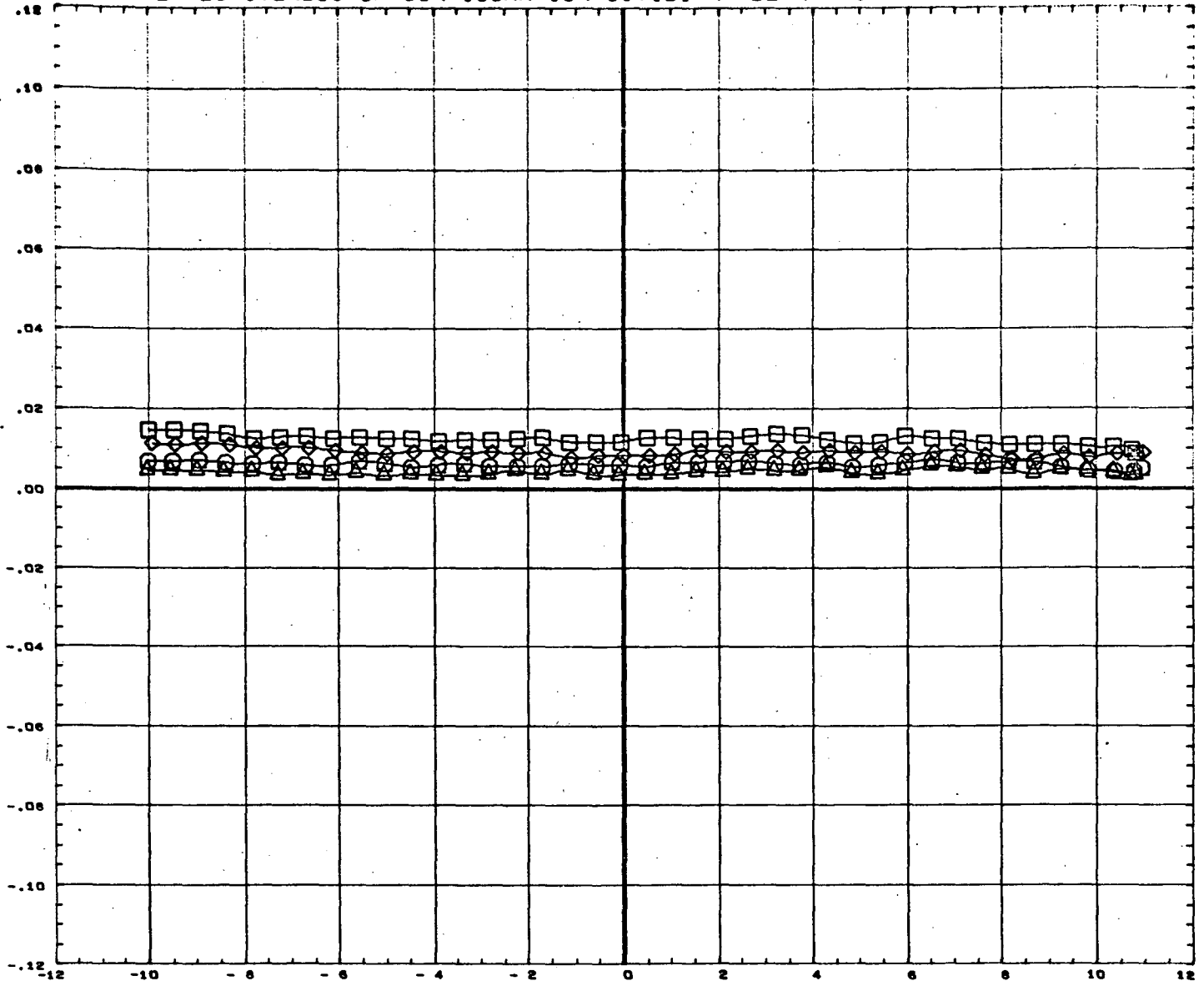
MACH 1.51

PAGE 238



# AILERON EFFECTIVENESS OF CONFIGURATION 01T1B1 AT BETA = 0

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

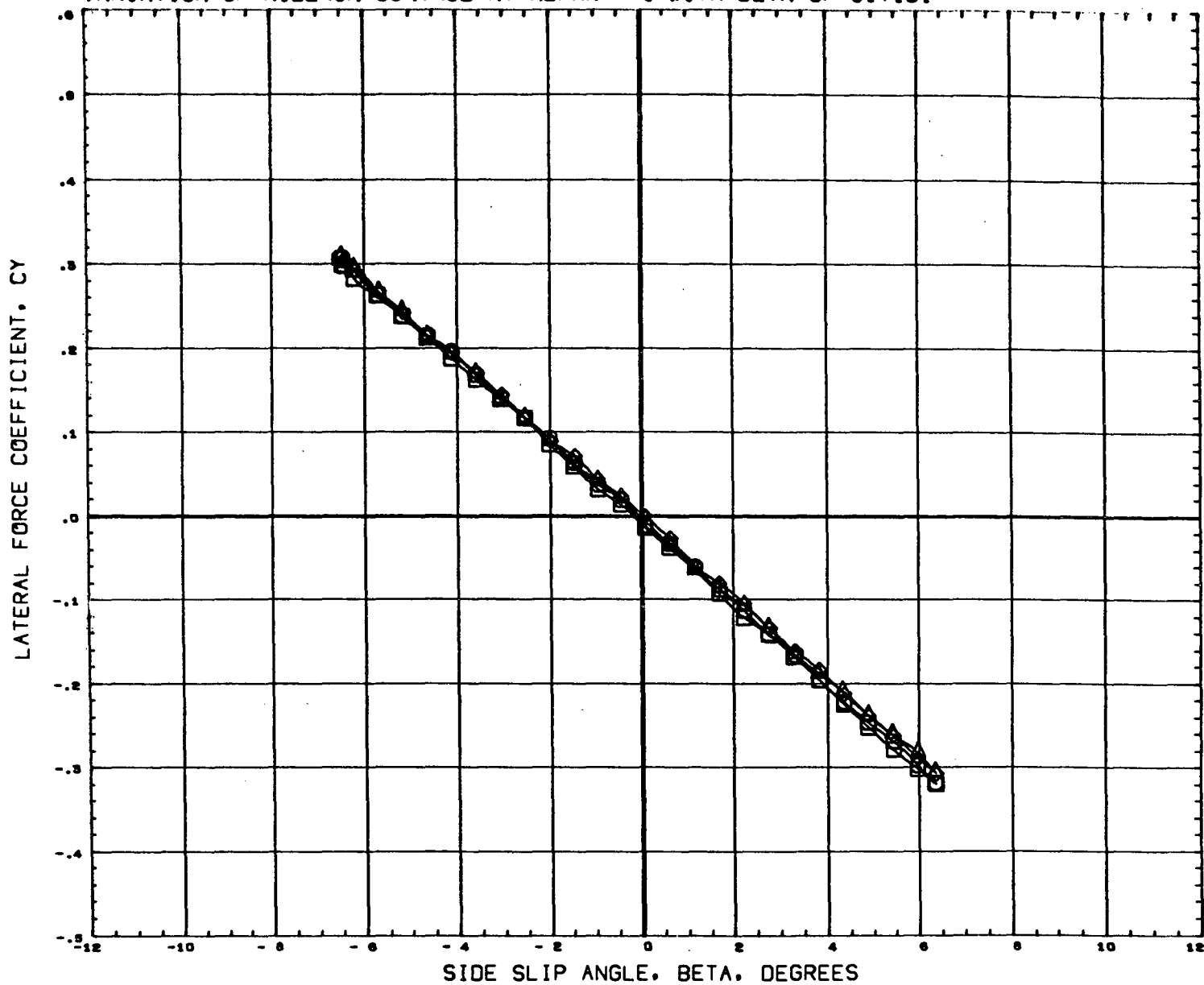
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7534)	MDAC S-222 COMPOSITE (T-CG) 01T1B1	0.000	0.000	-10.000	0.000	SREF	3155.3040 SQ.FT.
(RD7528)	MDAC S-222 COMPOSITE (T-CG) 01T1B1	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7532)	MDAC S-222 COMPOSITE (T-CG) 01T1B1	0.000	0.000	10.000	0.000	BREF	882.0004 IN.
(RD7530)	MDAC S-222 COMPOSITE (T-CG) 01T1B1	0.000	0.000	20.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0080

MACH

1.51

PAGE 239

# VARIATION OF AILERON CONTROL AT ALPHA = 0 WITH BETA OF 01181

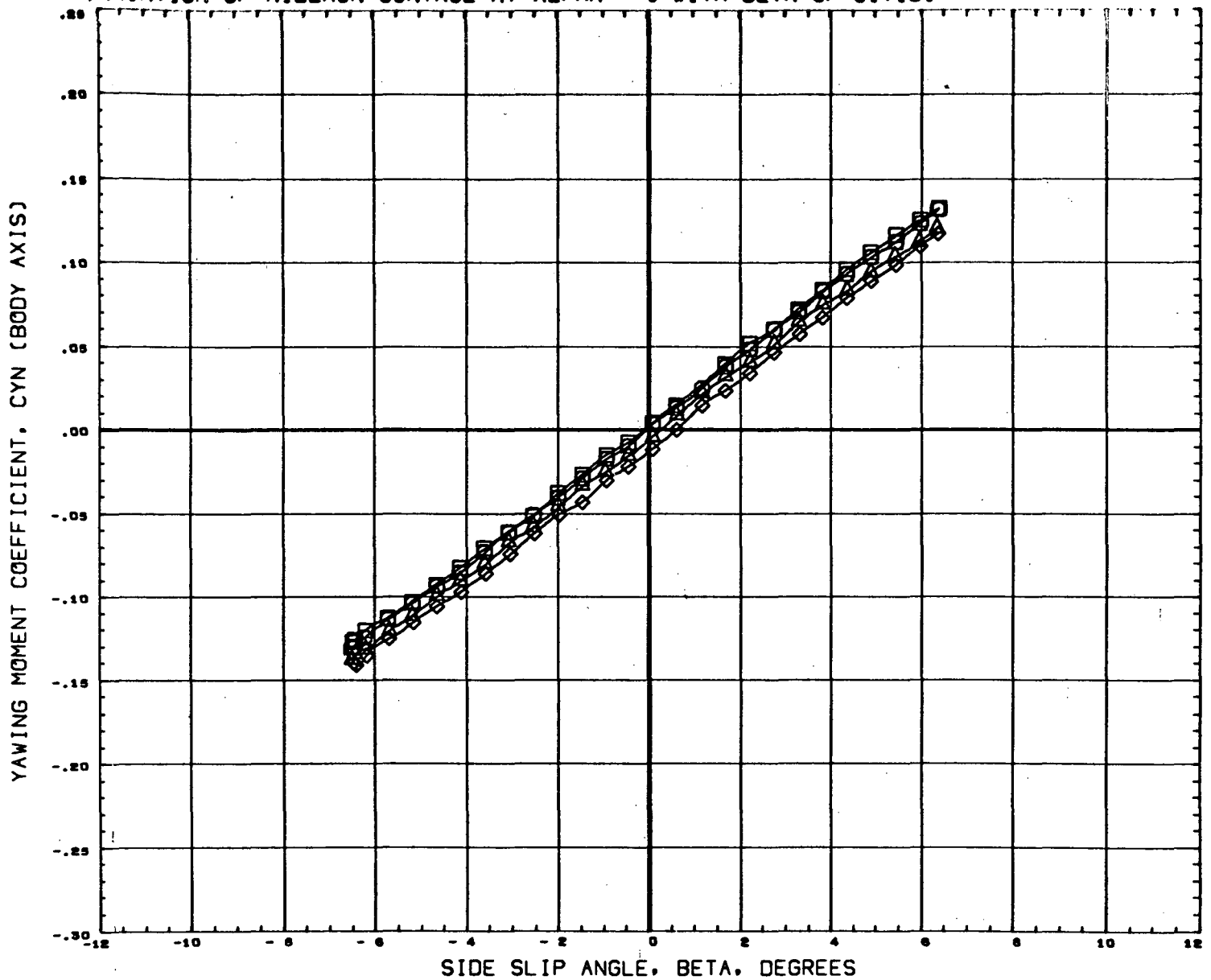


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7529)	MDAC S-222 COMPOSITE (T-CG) 01181	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7531)	MDAC S-222 COMPOSITE (T-CG) 01181	0.000	0.000	20.000	0.000	LREF	609.3004 IN.
(RD7533)	MDAC S-222 COMPOSITE (T-CG) 01181	0.000	0.000	10.000	0.000	BREF	862.0004 IN.
(TD7535)	MDAC S-222 COMPOSITE (T-CG) 01181	0.000	0.000	-10.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

PAGE 240

# VARIATION OF AILERON CONTROL AT ALPHA = 0 WITH BETA OF 01T1B1



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(R07529)	MDAC S-222 COMPOSITE(T-CG) 01T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(R07531)	MDAC S-222 COMPOSITE(T-CG) 01T1B1	0.000	0.000	20.000	0.000	LREF	609.5004	IN.
(R07533)	MDAC S-222 COMPOSITE(T-CG) 01T1B1	0.000	0.000	10.000	0.000	BREF	662.0004	IN.
(T07535)	MDAC S-222 COMPOSITE(T-CG) 01T1B1	0.000	0.000	-10.000	0.000	XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0080	

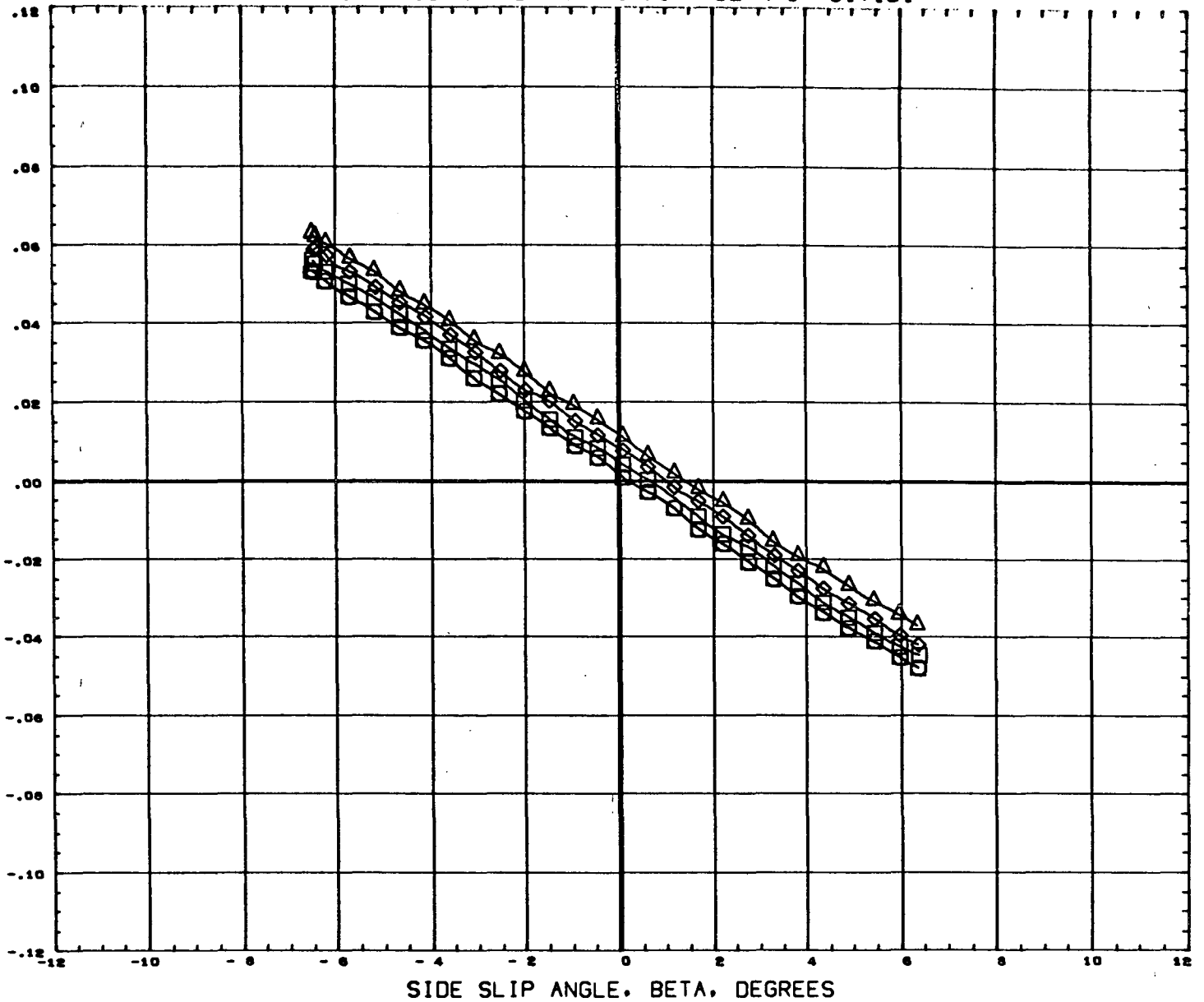
MACH 1.51

PAGE 241

C. 5

# VARIATION OF AILERON CONTROL AT ALPHA = 0 WITH BETA OF 01181

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



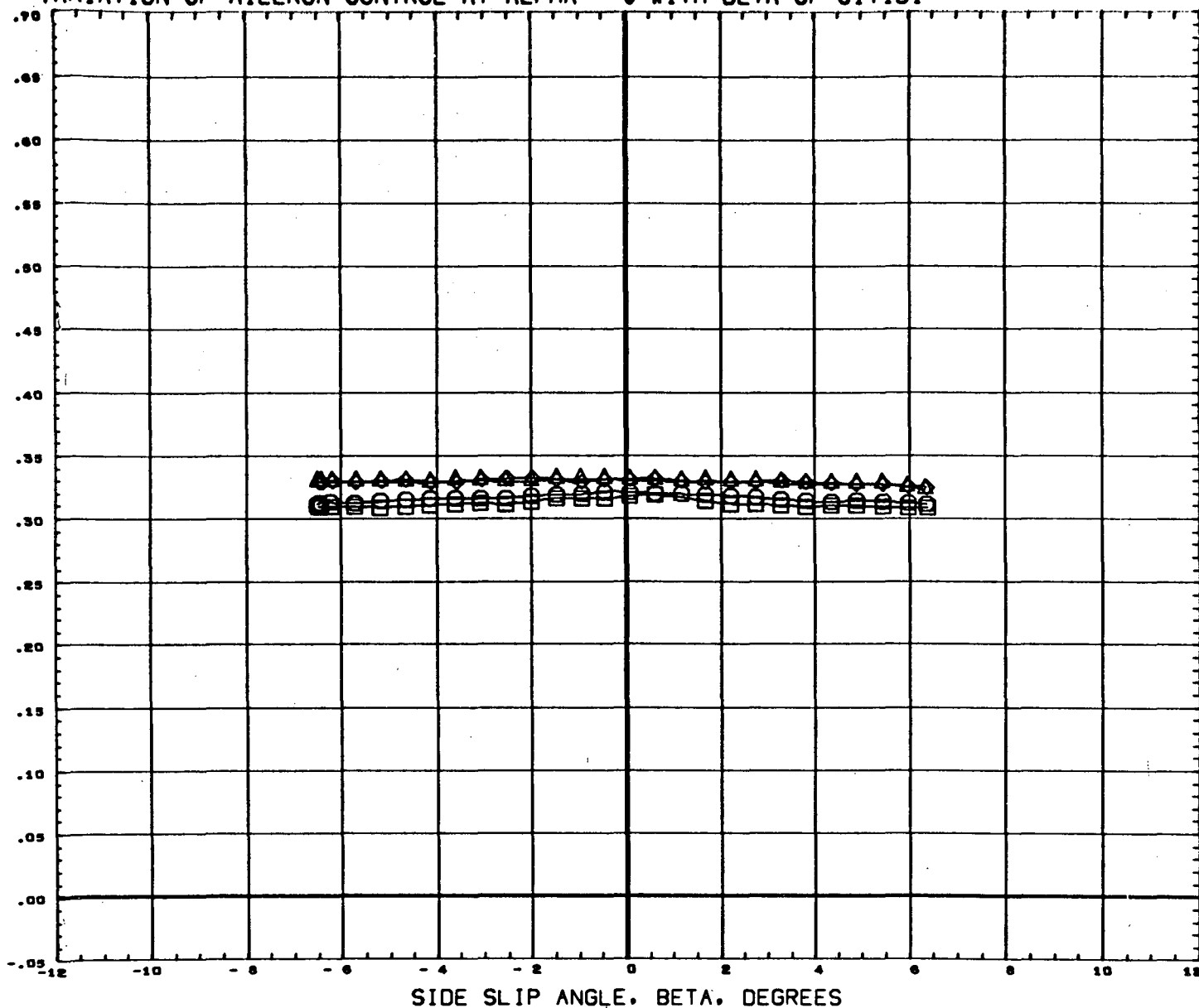
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7529)	MDAC S-222 COMPOSITE (T-CG) 01181	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7531)	MDAC S-222 COMPOSITE (T-CG) 01181	0.000	0.000	20.000	0.000	LREF	609.5004 IN.
(RD7533)	MDAC S-222 COMPOSITE (T-CG) 01181	0.000	0.000	10.000	0.000	BREF	882.0004 IN.
(TD7535)	MDAC S-222 COMPOSITE (T-CG) 01181	0.000	0.000	-10.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

PAGE 242

# VARIATION OF AILERON CONTROL AT ALPHA = 0 WITH BETA OF 01T1B1

FOREBODY AXIAL FORCE COEFFICIENT, CAF

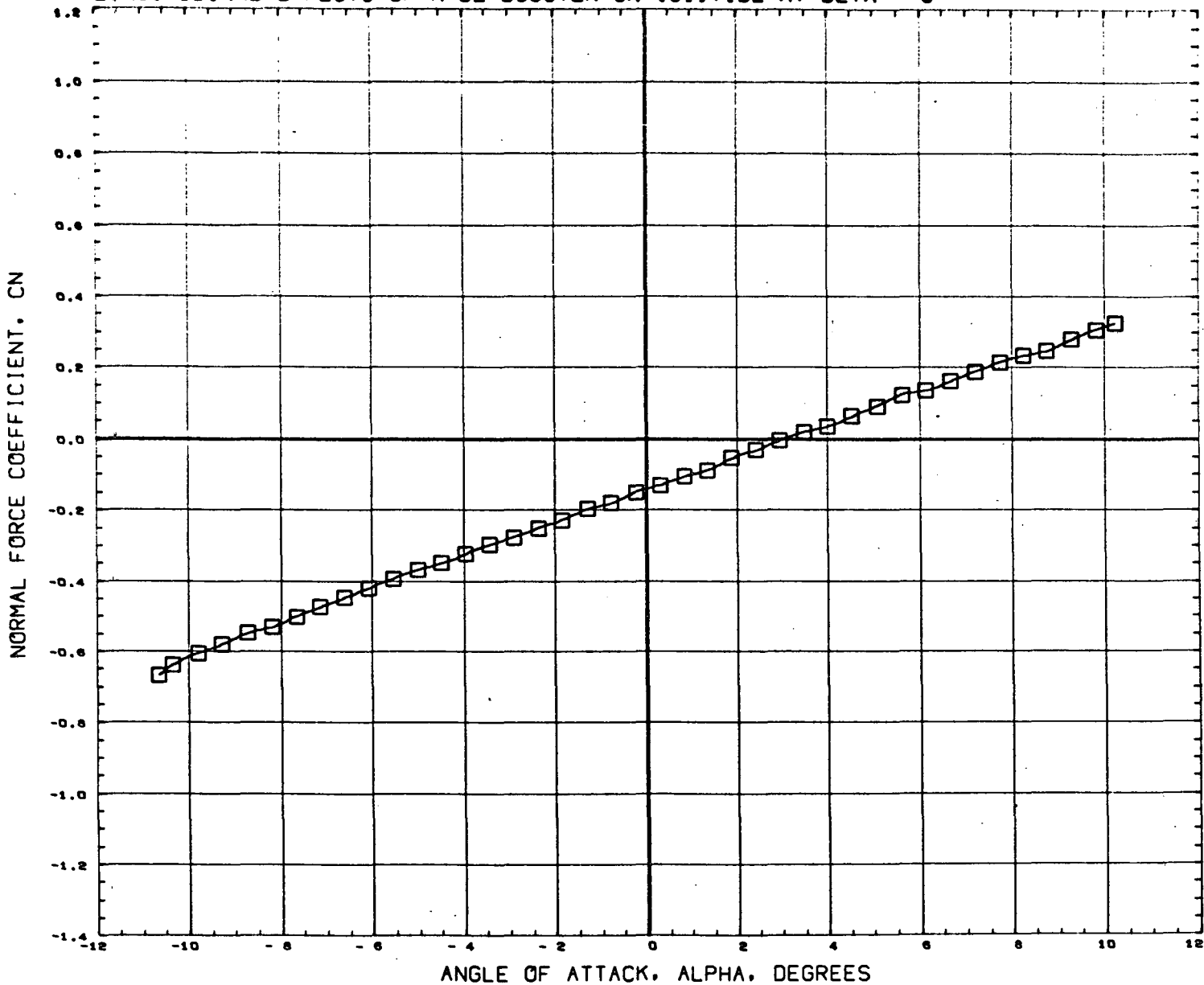


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7529)	MDAC S-222 COMPOSITE (T-CG) 01T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7531)	MDAC S-222 COMPOSITE (T-CG) 01T1B1	0.000	0.000	20.000	0.000	LREF	609.5004 IN.
(RD7533)	MDAC S-222 COMPOSITE (T-CG) 01T1B1	0.000	0.000	10.000	0.000	BREF	682.0004 IN.
(TD7535)	MDAC S-222 COMPOSITE (T-CG) 01T1B1	0.000	0.000	-10.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

PAGE 243

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6

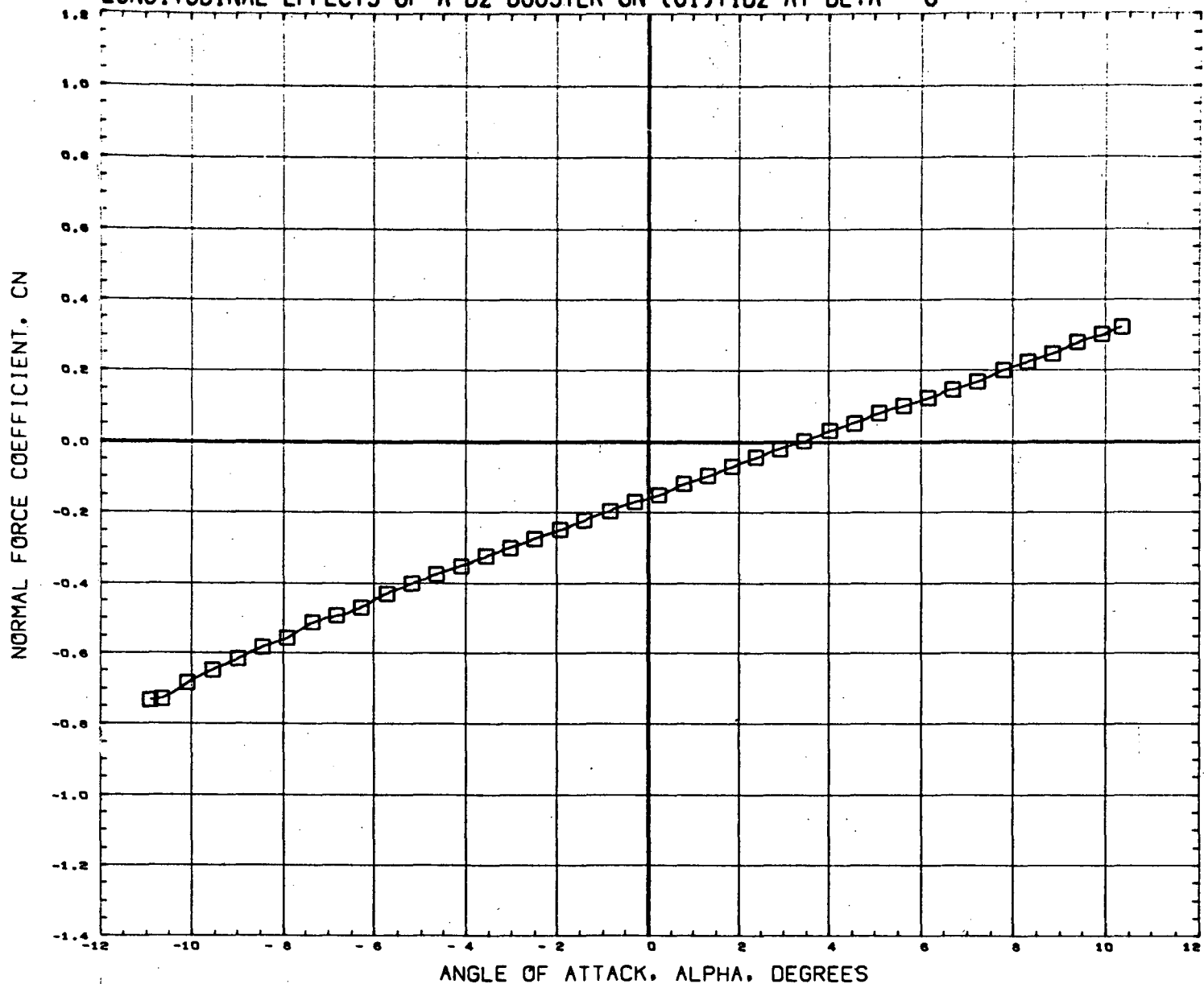


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7409)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7412)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.9004 IN.
(CD7413)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(CD7515)	MDAC S-222 COMPOSITE(T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .58

PAGE 244

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6

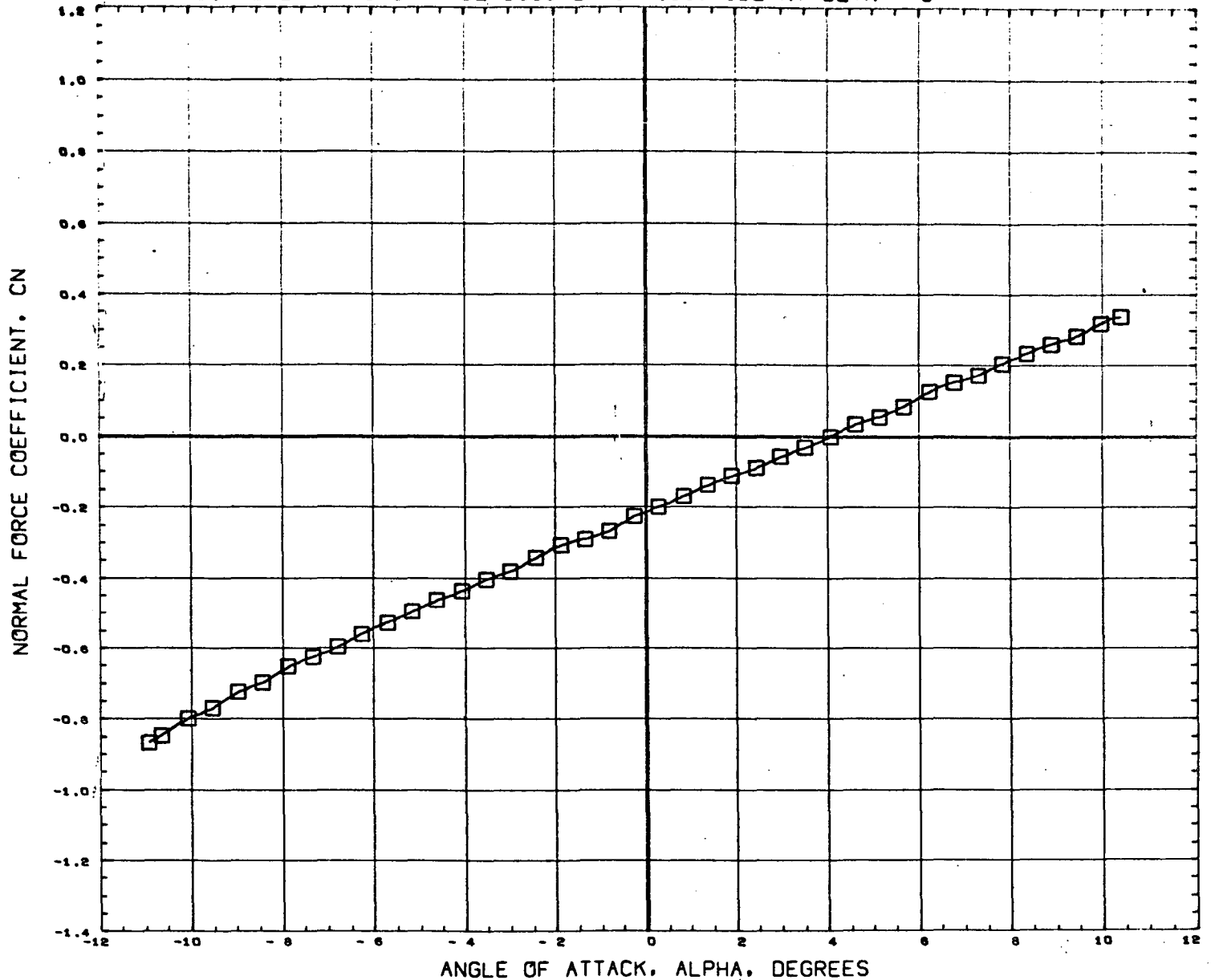


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7409)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7412)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7413)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(CD7515)	□	MDAC S-222 COMPOSITE (T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
							YMRP	0.0000 IN.
							ZMRP	200.0004 IN.
							SCALE	0.0060

MACH .88

PAGE 245

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7409)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7412)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7413)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BREF	682.0004 IN.
(CD7515)	MDAC S-222 COMPOSITE (T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH

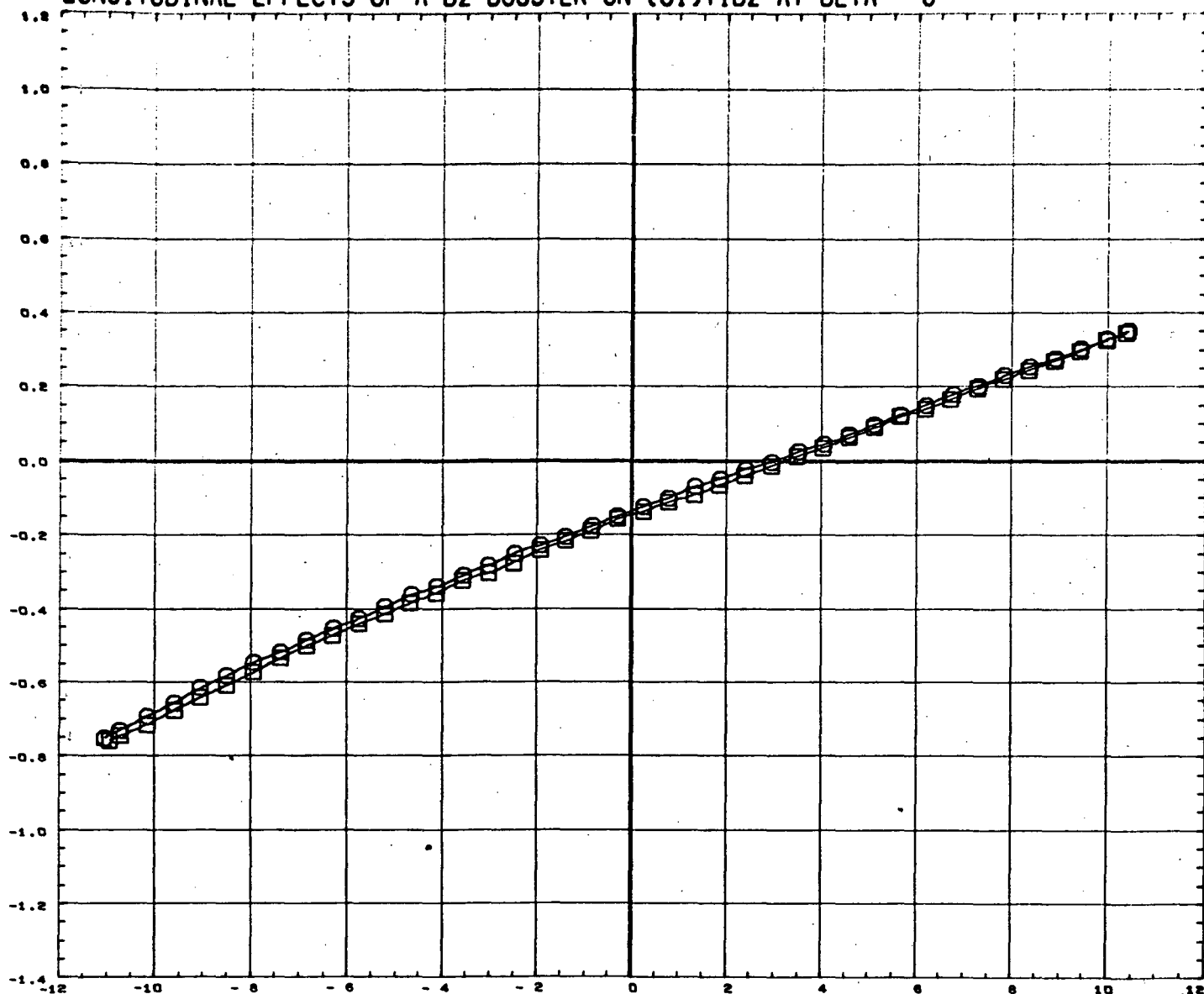
1.08

PAGE 246



# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6

NORMAL FORCE COEFFICIENT, CN



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

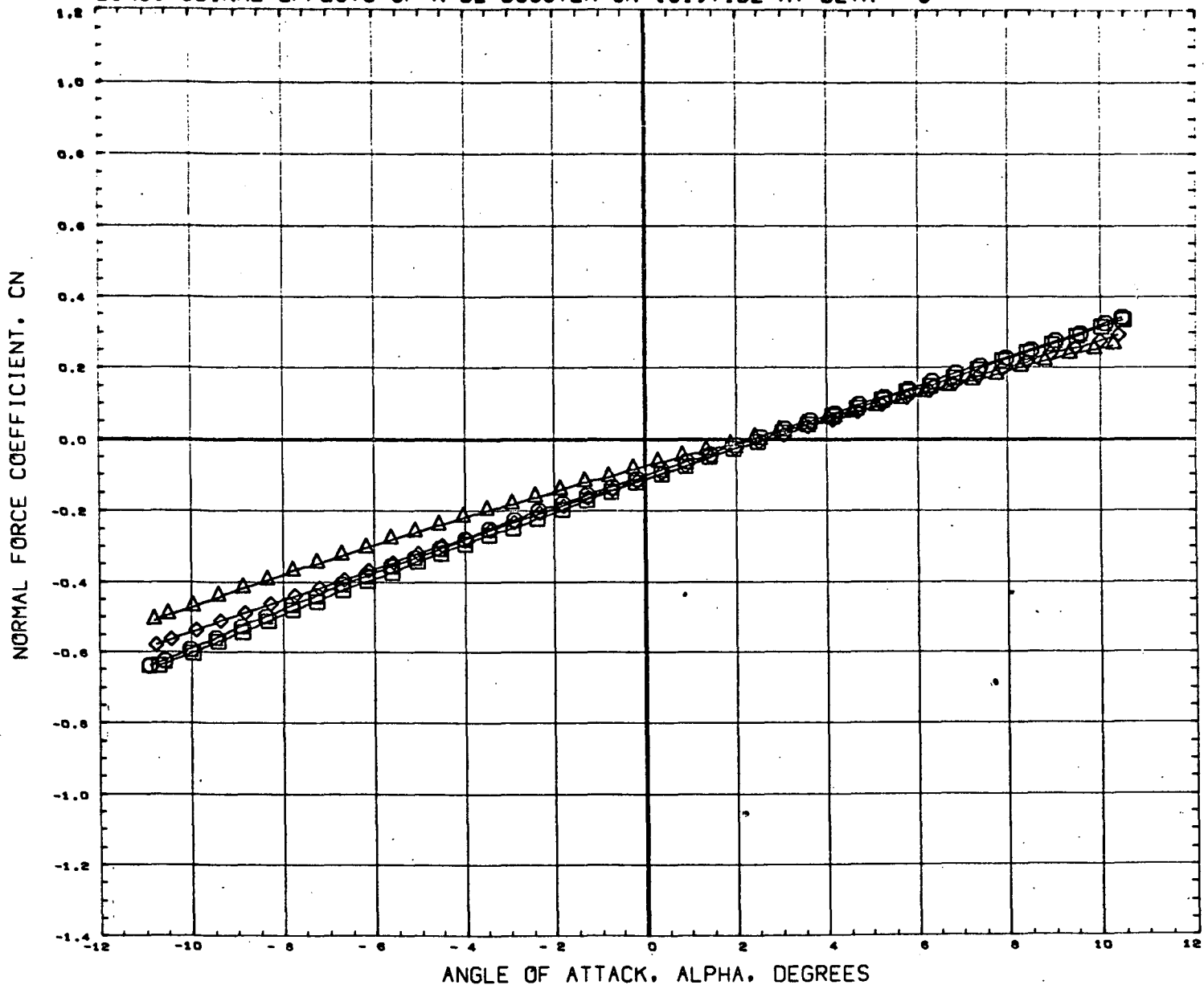
(CD7409) MDAC S-222 COMPOSITE(T-CG) (01)T1B2  
 (CD7412) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7413) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7515) MDAC S-222 COMPOSITE(T-CG) 01T1B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
6.000	0.000	0.000	0.000	BRF	862.0004 IN.
6.000	0.000	0.000	0.000	XMRF	557.0004 IN.
				YMRF	0.0000 IN.
				ZMRF	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 247

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T1B2 AT BETA = 6

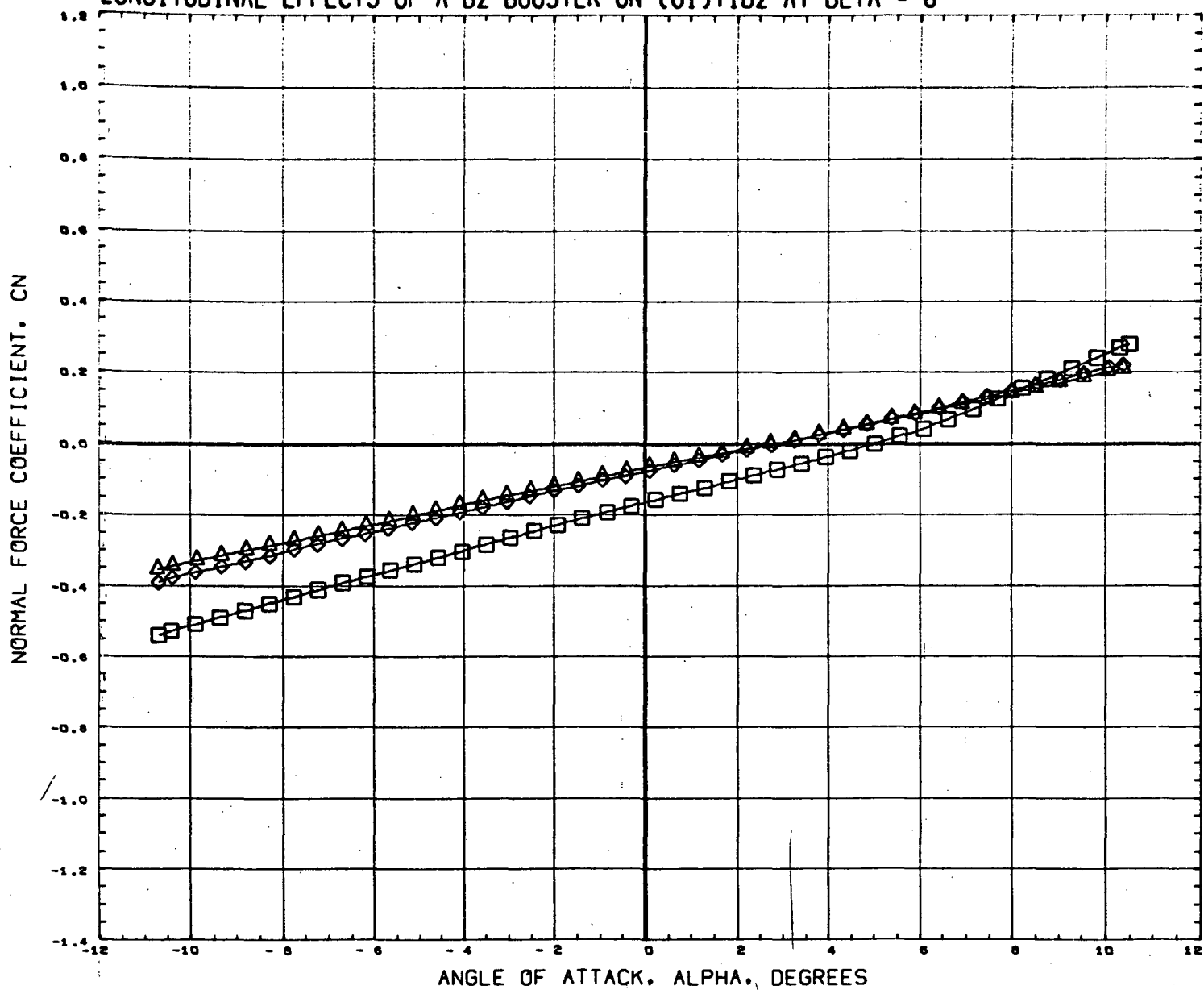


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7409)	MDAC S-222 COMPOSITE (T-CG) (O1) T1B2	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7412)	MDAC S-222 COMPOSITE (T-CG) (O1) T1B2L (B2R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7413)	MDAC S-222 COMPOSITE (T-CG) (O1) T1 (B2L) B2R	6.000	0.000	0.000	0.000	BREF	662.0004 IN.
(CD7515)	MDAC S-222 COMPOSITE (T-CG) O1T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 248

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6

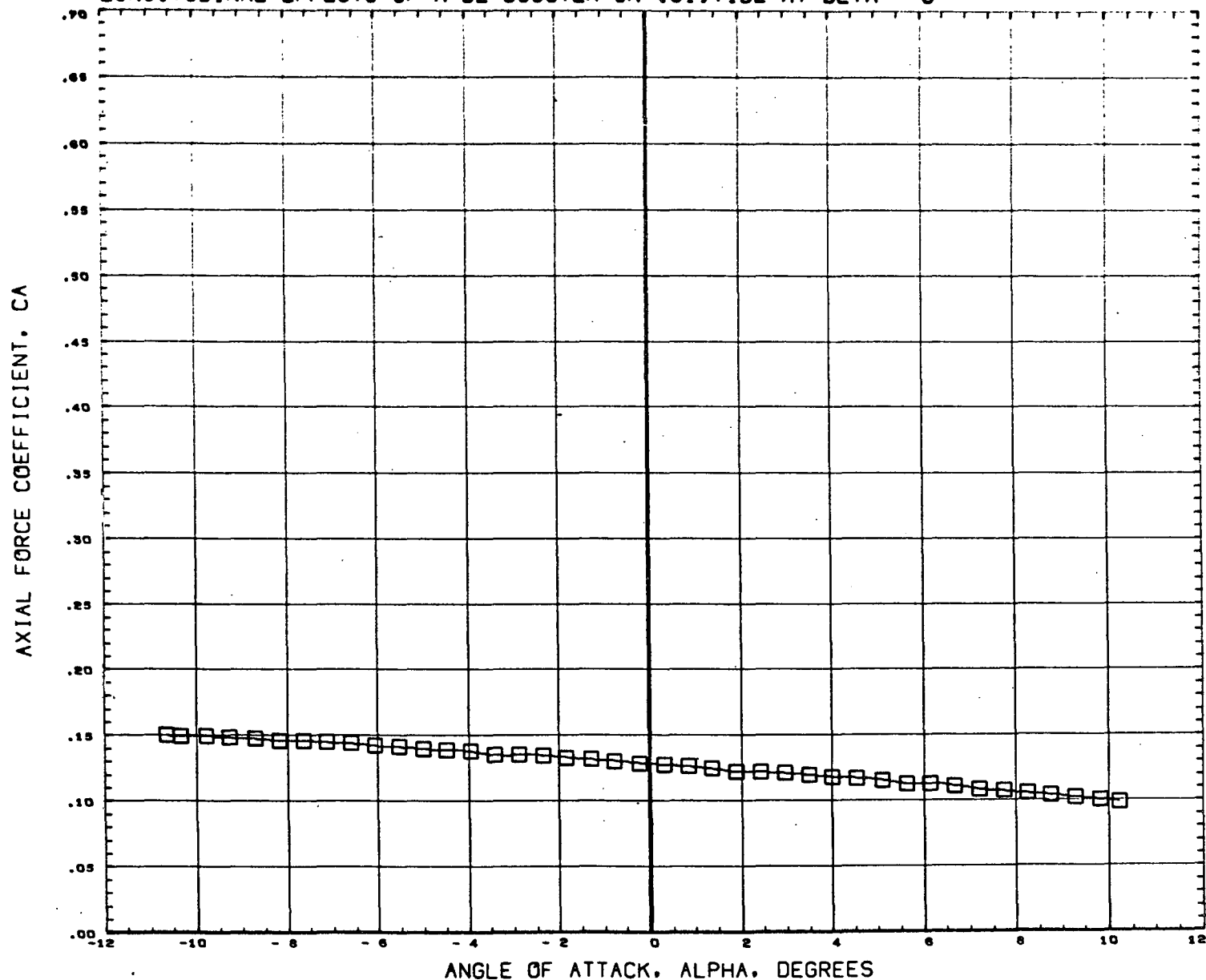


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07409)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07412)	MDAC S-222 COMPOSITE (T-CG) (01)T1B2L (B2R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(C07413)	MDAC S-222 COMPOSITE (T-CG) (01)T1 (B2L)B2R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(C07515)	MDAC S-222 COMPOSITE (T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 249

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6

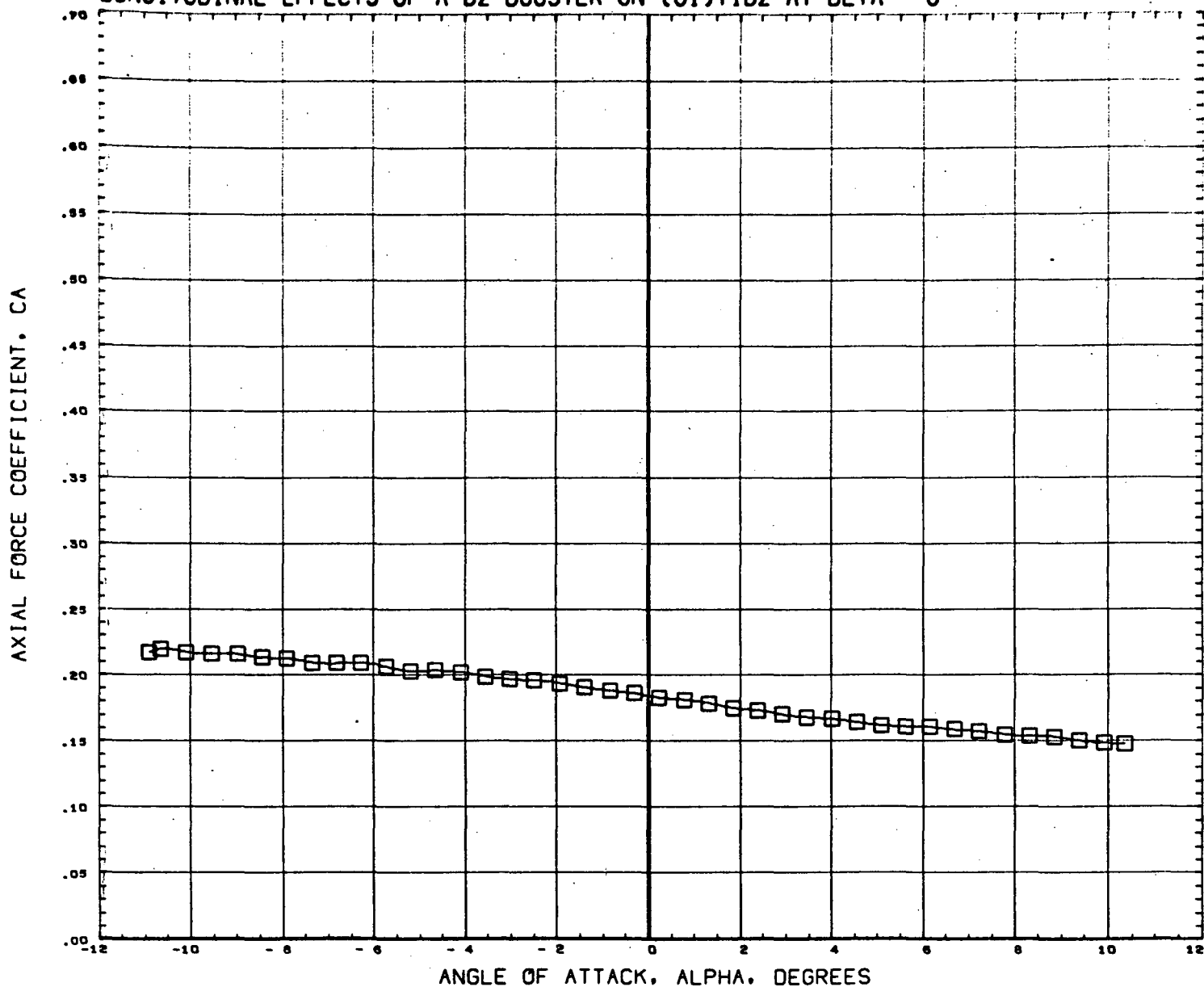


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7409)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD7412)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004	IN.
(CD7413)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BREF	882.0004	IN.
(CD7515)	MDAC S-222 COMPOSITE(T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH .58

PAGE 250

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6



DATA SET SYMBOL CONFIGURATION DESCRIPTION

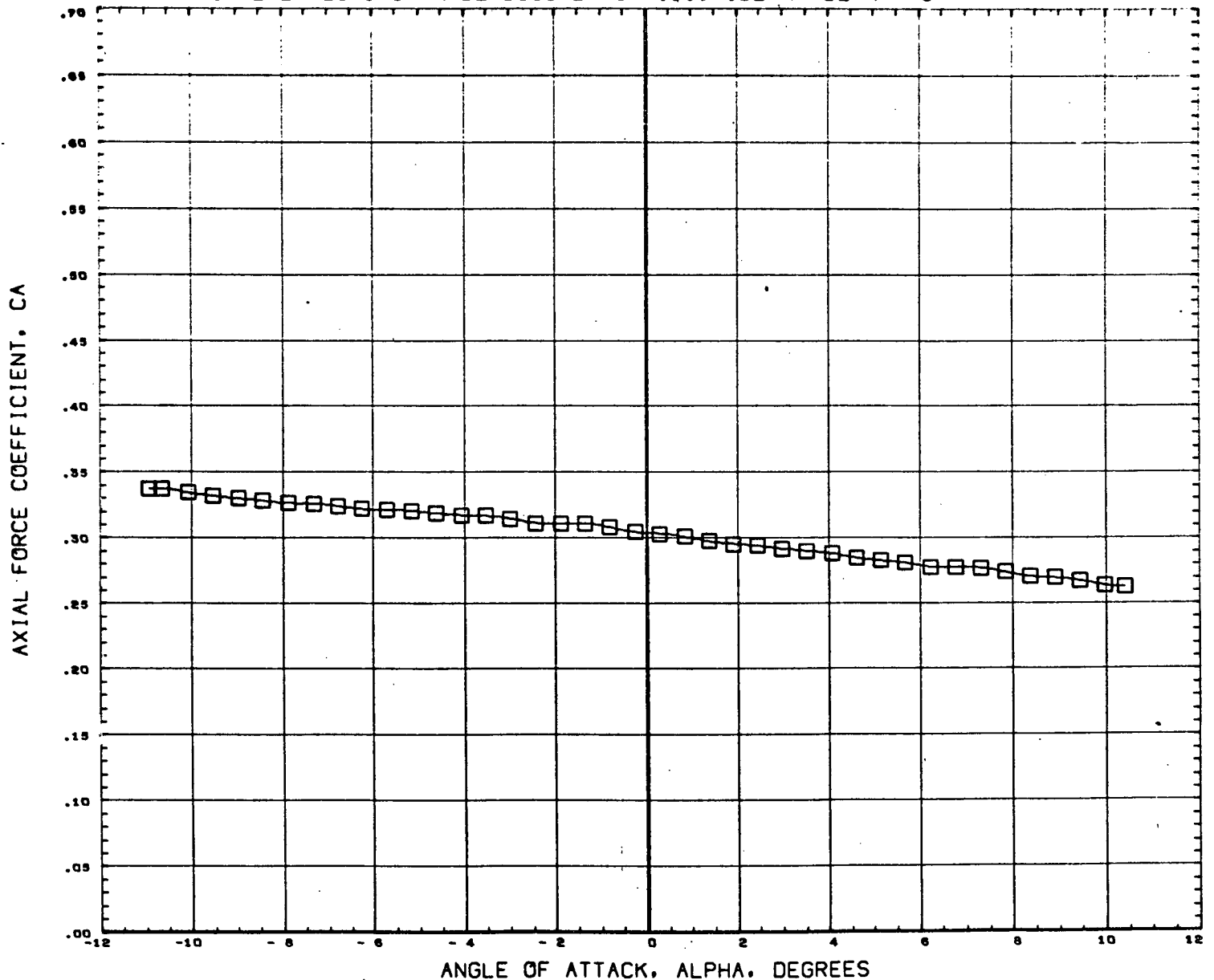
(C07409) □ DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (C07412) □ DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (C07413) □ DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (C07515) □ MDAC S-222 COMPOSITE (T-CG) 01T1B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
6.000	0.000	0.000	0.000	SREF	3155.3040	SG.FT.
6.000	0.000	0.000	0.000	LREF	609.5004	IN.
6.000	0.000	0.000	0.000	BREF	882.0004	IN.
6.000	0.000	0.000	0.000	XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH .88

PAGE 251

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6

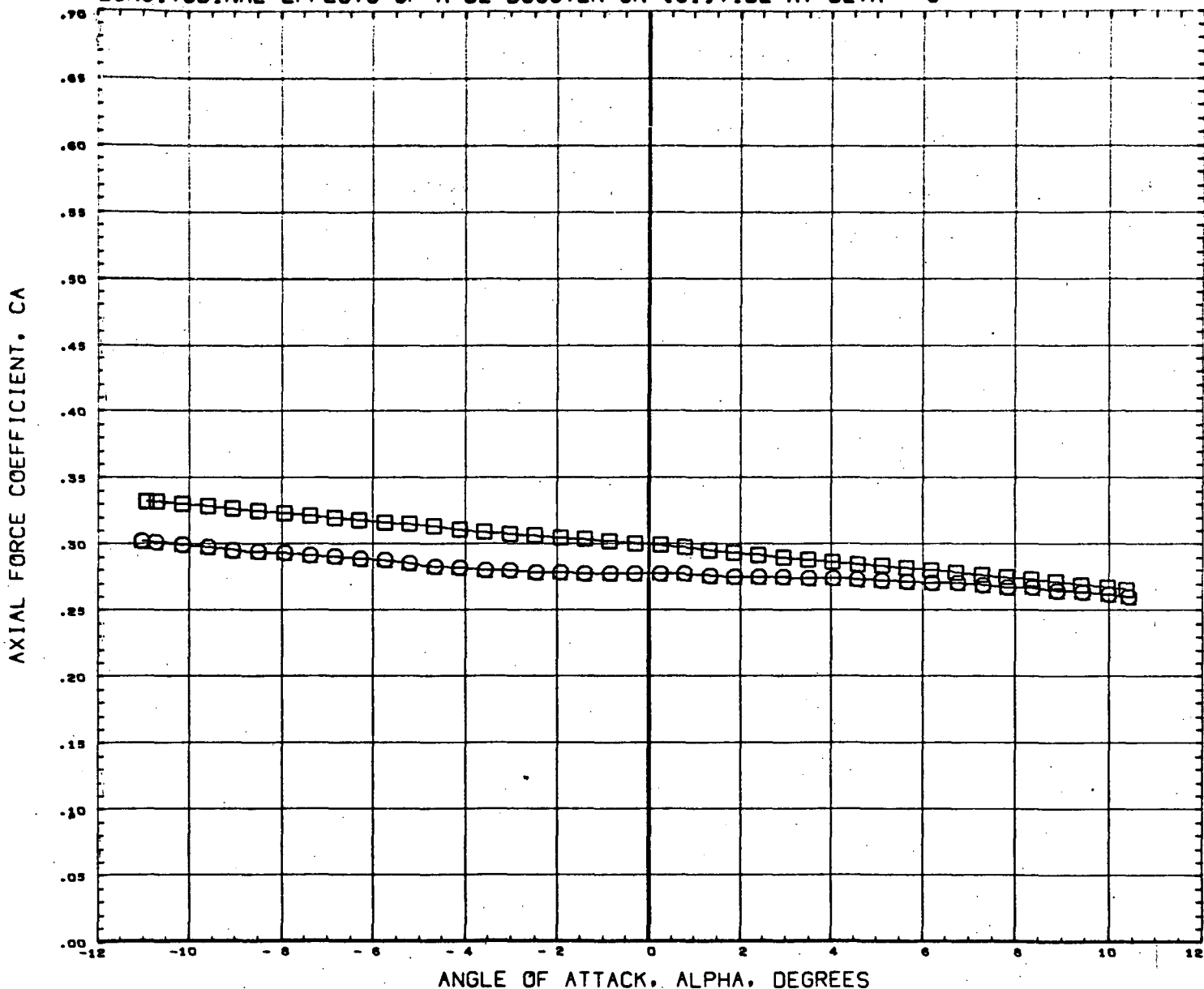


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7409)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7412)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.3004 IN.
(CD7413)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(CD7515)	MDAC S-222 COMPOSITE (T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.08

PAGE 252

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6



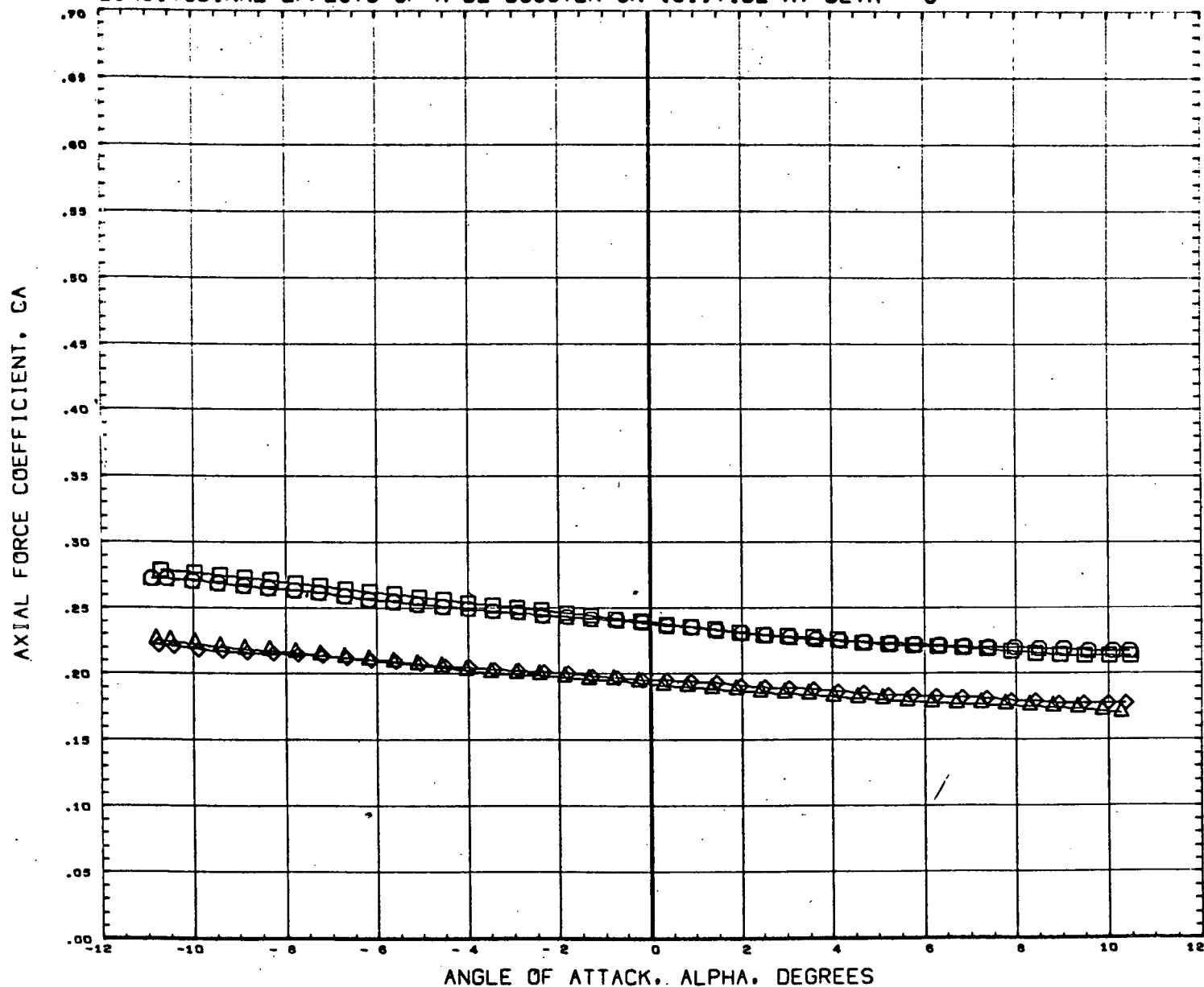
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7409)	○	MDAC S-222 COMPOSITE (T-CG) (01)T1B2	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7412)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7413)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(CD7515)	□	MDAC S-222 COMPOSITE (T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
							YMRP	0.0000 IN.
							ZMRP	200.0004 IN.
							SCALE	0.0060

MACH

1.51

PAGE 253

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T1B2 AT BETA = 6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7409)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B2	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7412)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B2L(B2R)	6.000	0.000	0.000	0.000	LREF	609.3004 IN.
(CD7413)	MDAC S-222 COMPOSITE (T-CG) (O1)T1(B2L)B2R	6.000	0.000	0.000	0.000	BREF	662.0004 IN.
(CD7515)	MDAC S-222 COMPOSITE (T-CG) O1T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

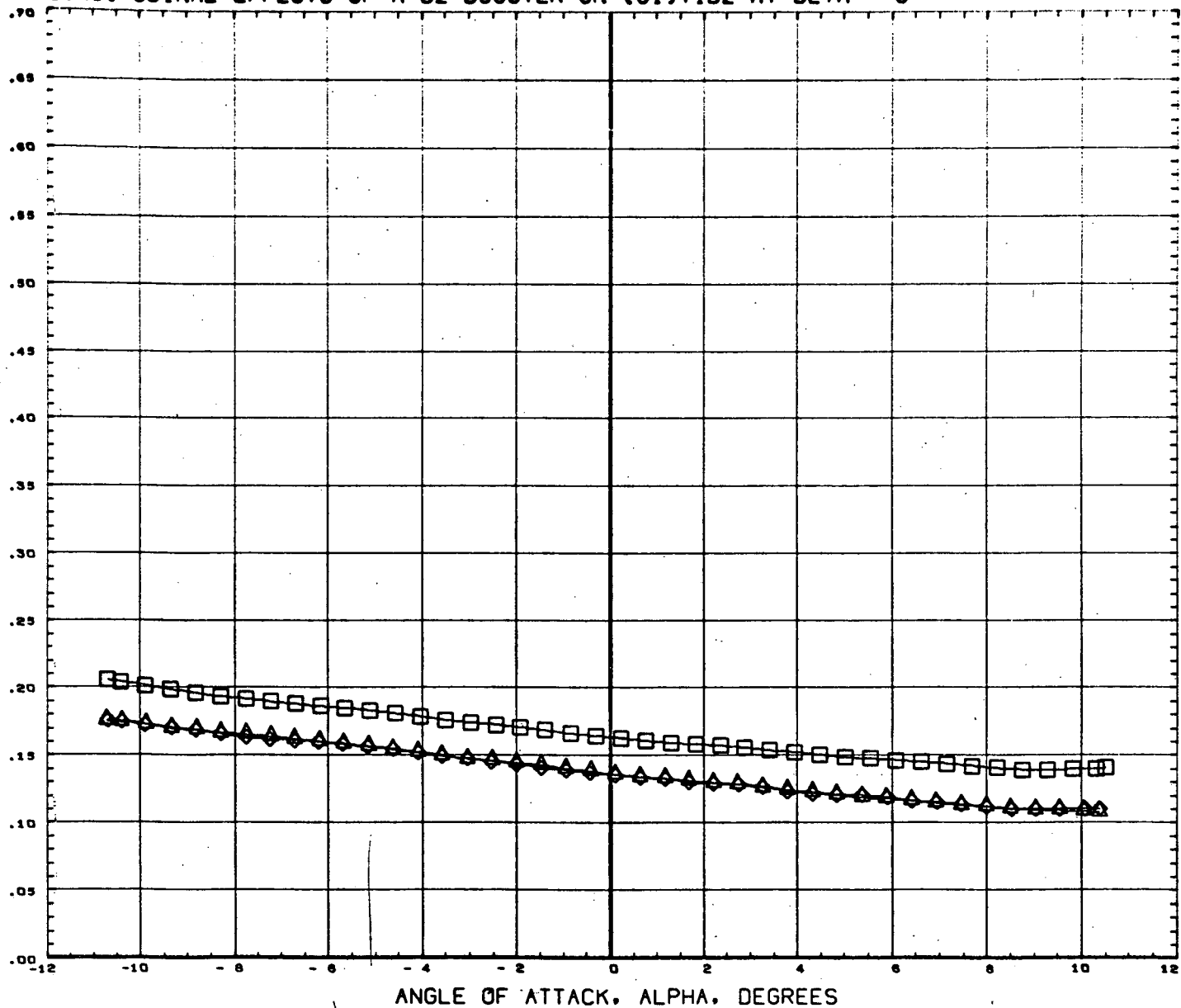
MACH 2.20

PAGE 254



# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6

AXIAL FORCE COEFFICIENT, CA



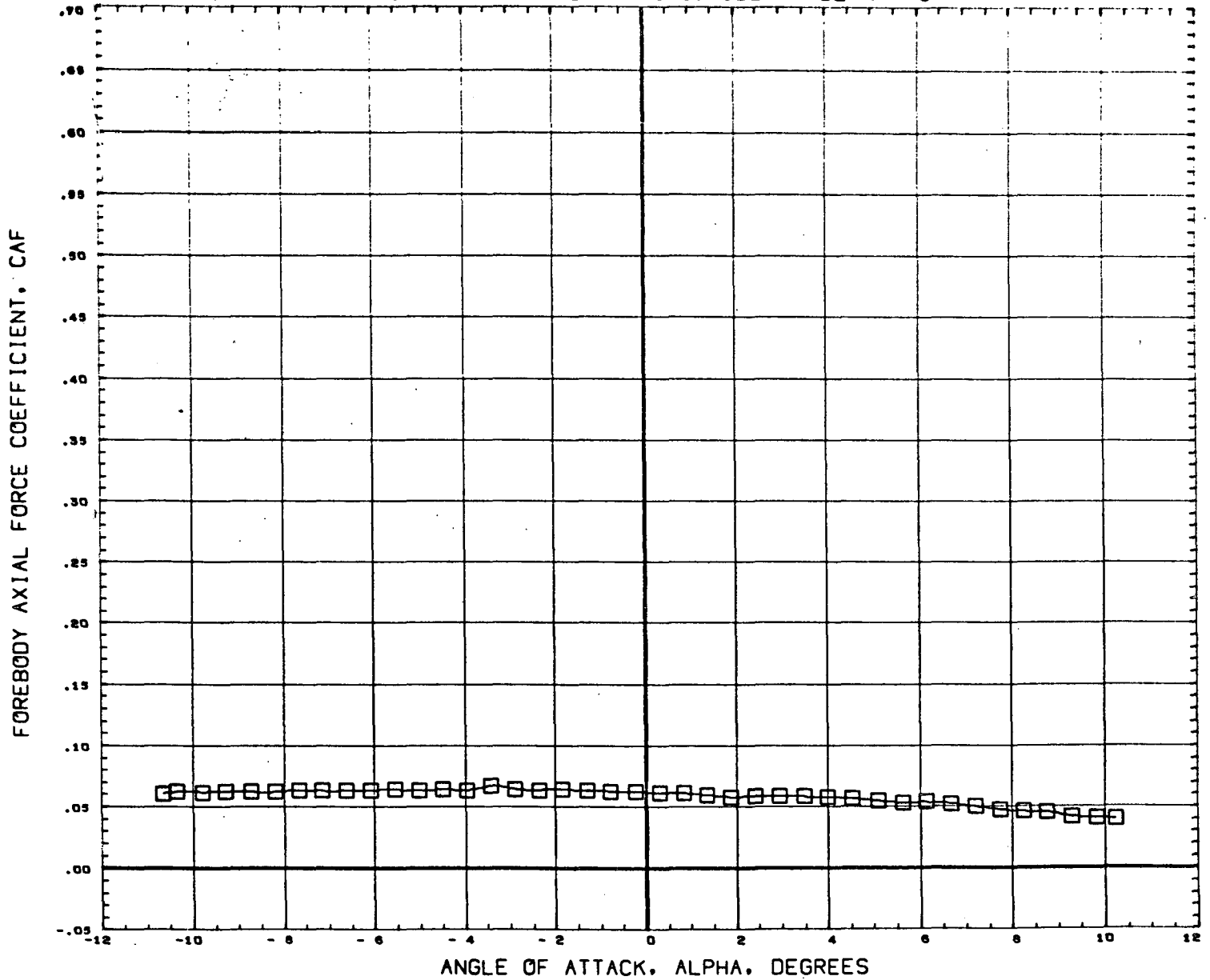
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7409) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7412) MDAC S-222 COMPOSITE (T-CG) (01)T1B2L (B2R)  
 (CD7413) MDAC S-222 COMPOSITE (T-CG) (01)T1 (B2L)B2R  
 (CD7515) MDAC S-222 COMPOSITE (T-CG) 01T1B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
6.000	0.000	0.000	0.000	BREF	882.0004 IN.
6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

PAGE 255

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6



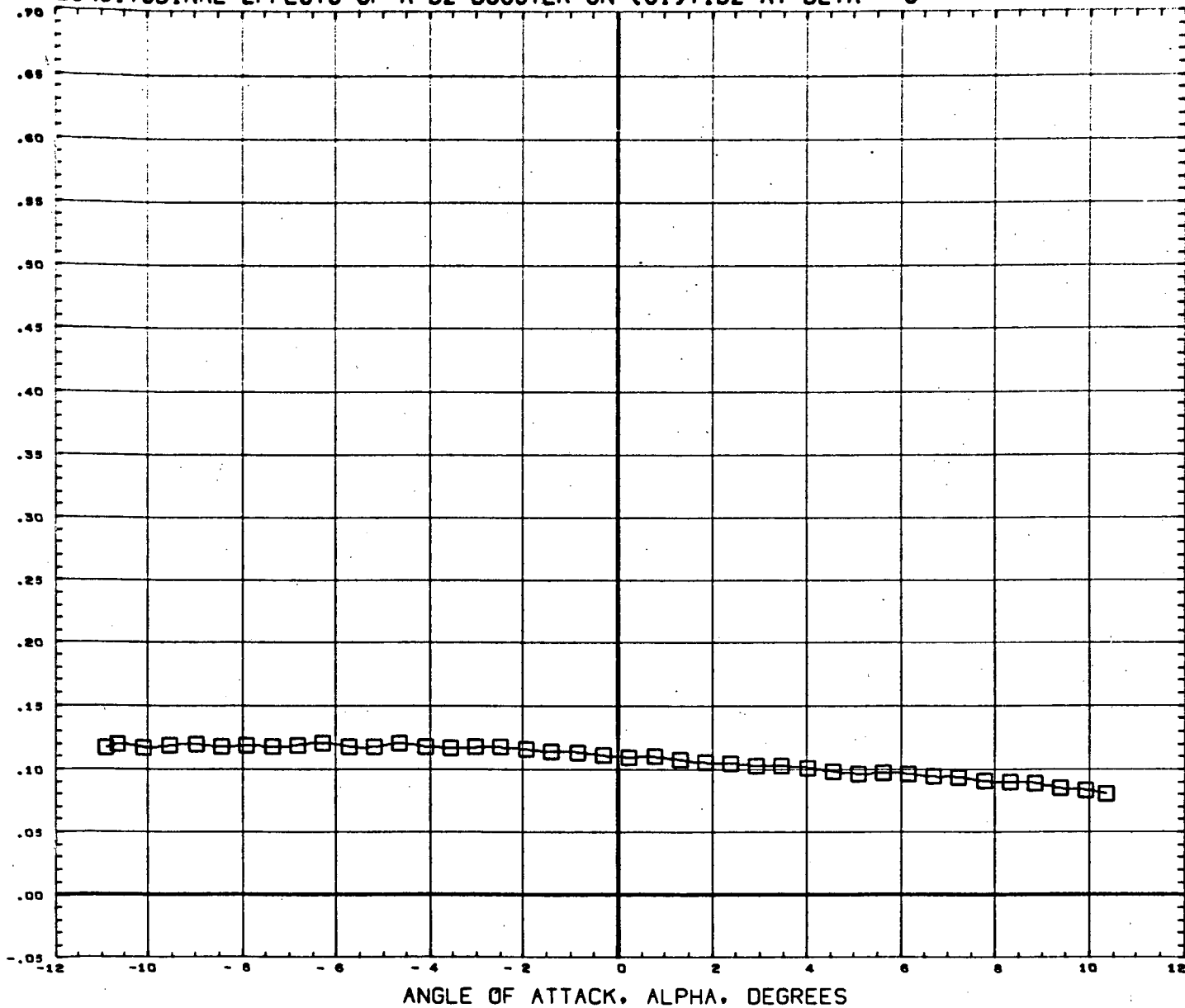
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7409)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7412)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7413)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(CD7515)	MDAC S-222 COMPOSITE (T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .58

PAGE 256

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6

FOREBODY AXIAL FORCE COEFFICIENT, CAF

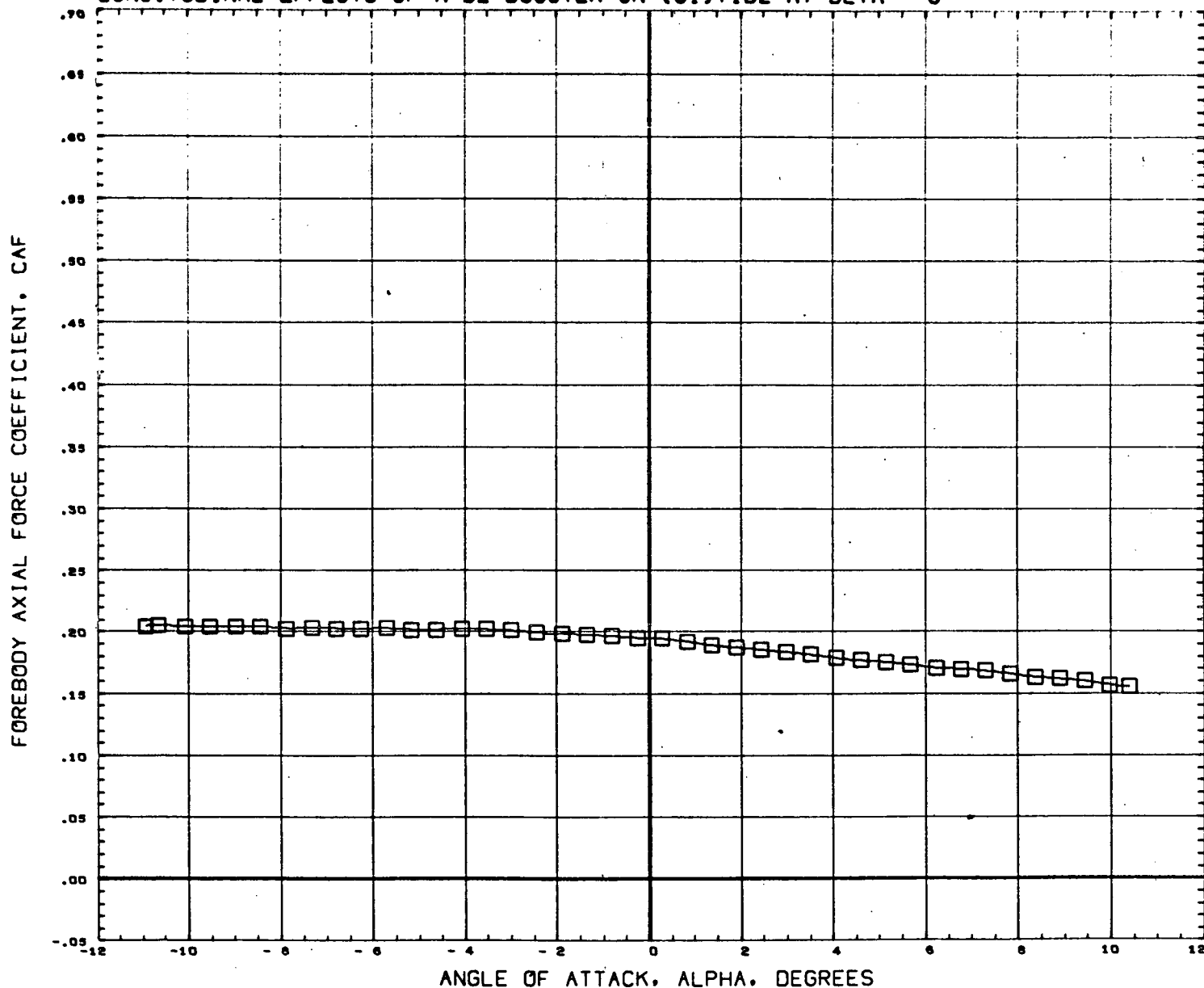


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07409)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07412)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(C07413)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BRF	862.0004 IN.
(C07515)	MDAC S-222 COMPOSITE (T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH .88

PAGE 257

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7409)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD7412)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004	IN.
(CD7413)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BREF	882.0004	IN.
(CD7515)	MDAC S-222 COMPOSITE (T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

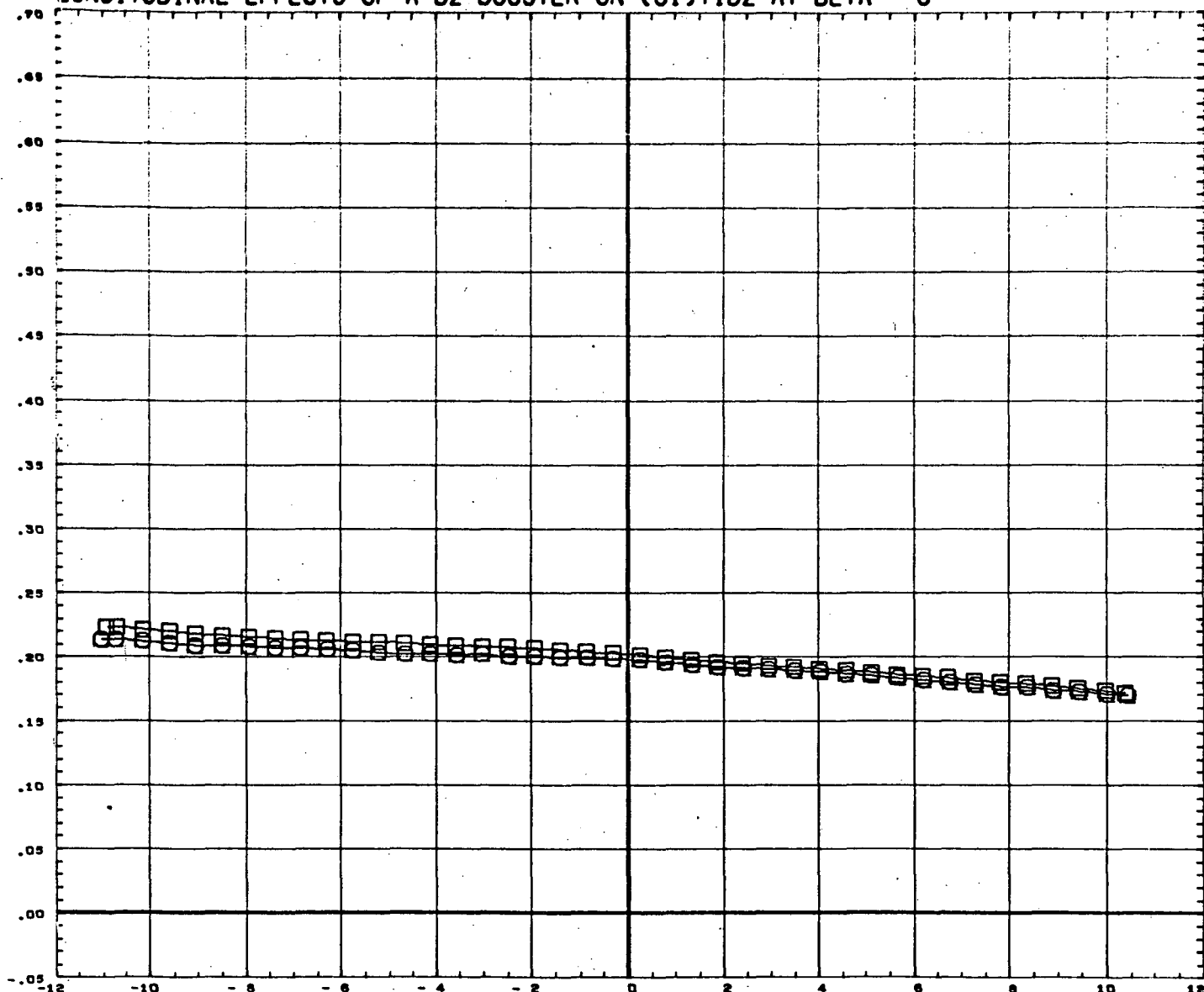
MACH

1.08

PAGE 258

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6

FOREBODY AXIAL FORCE COEFFICIENT, CAF



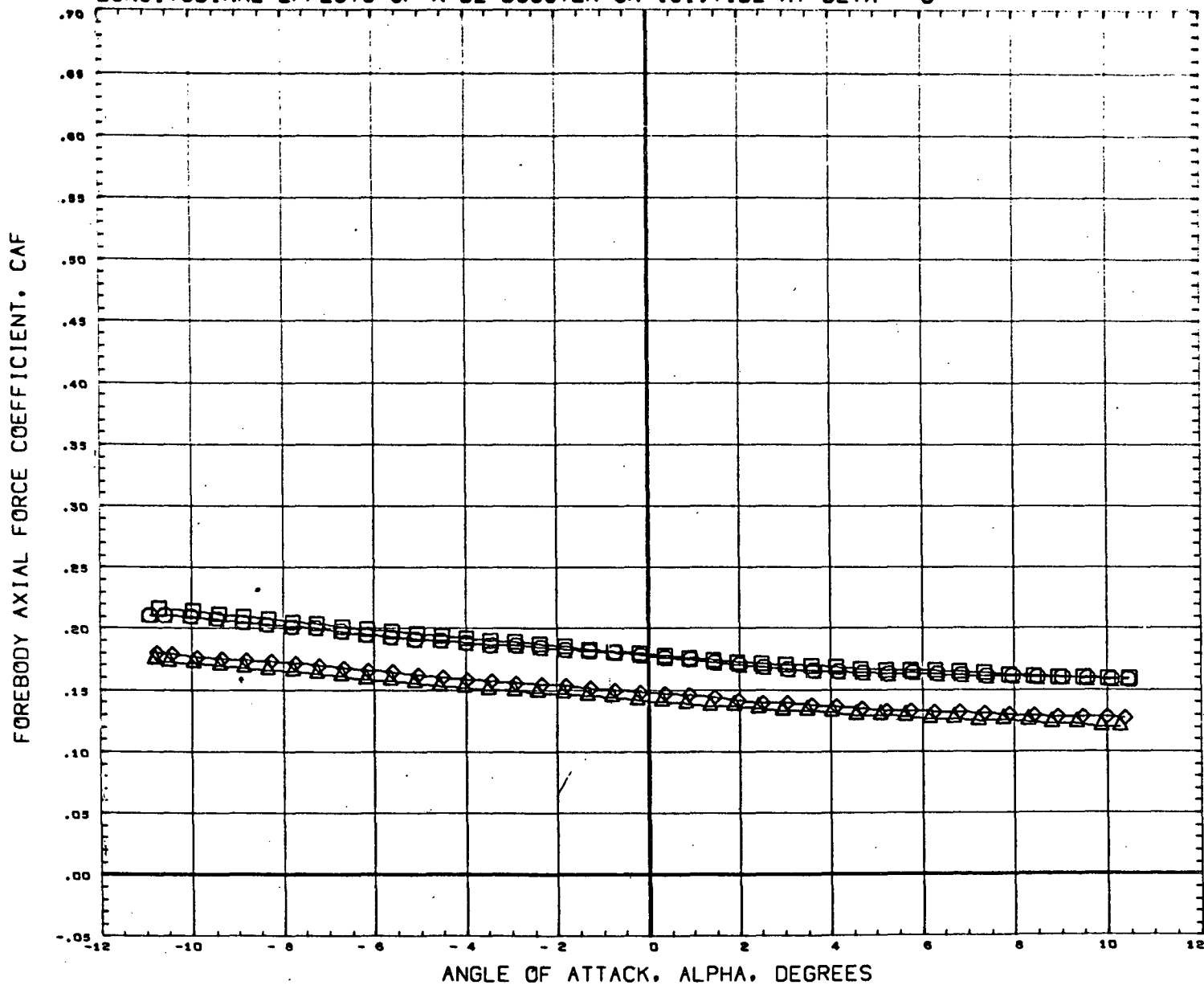
ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7409)	MDAC S-222 COMPOSITE (T-CG) (01)T1B2	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7412)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7413)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(CD7513)	MDAC S-222 COMPOSITE (T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

PAGE 259

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6



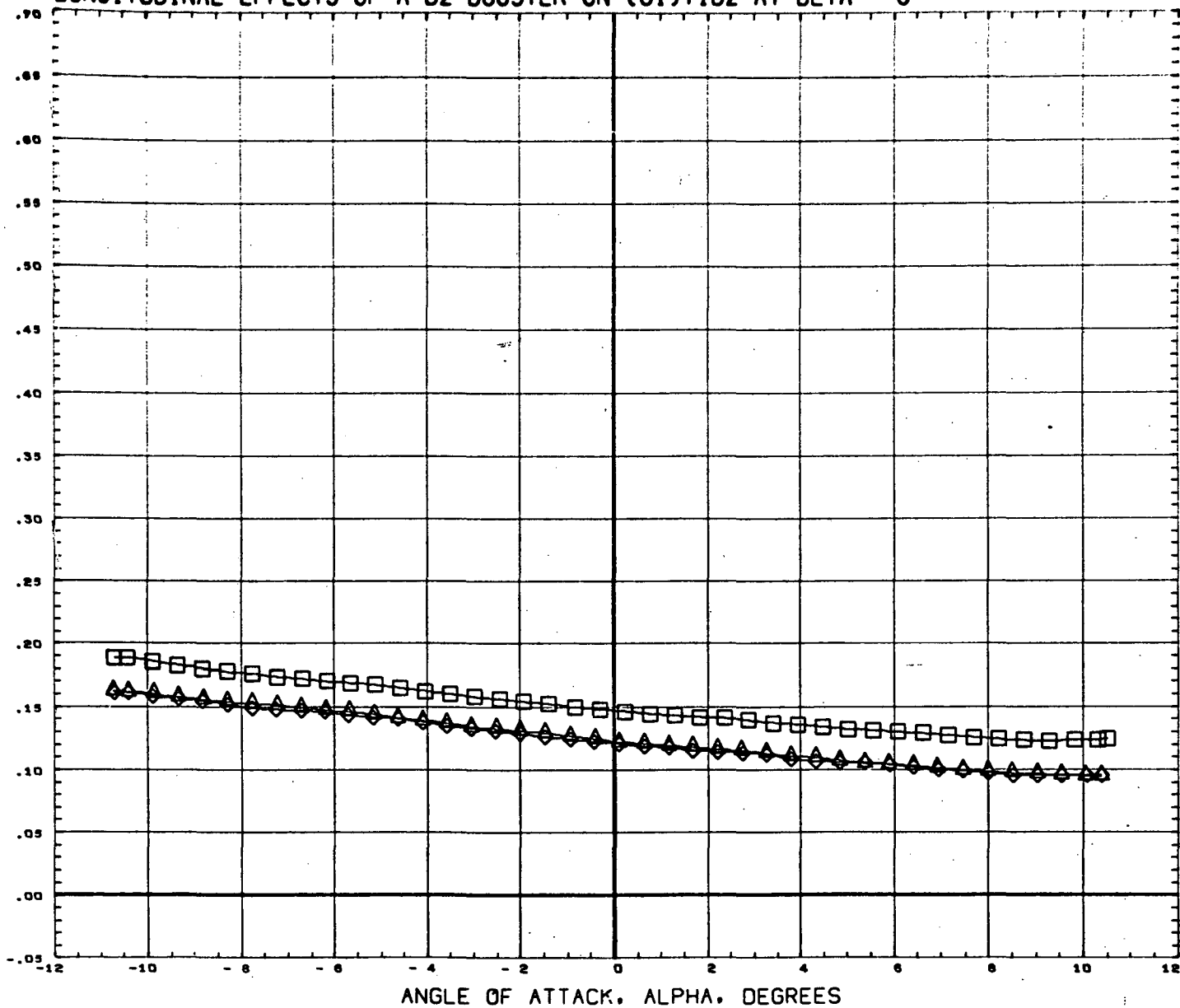
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7409)	MDAC S-222 COMPOSITE (T-CG) (01)T1B2	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7412)	MDAC S-222 COMPOSITE (T-CG) (01)T1B2L (B2R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7413)	MDAC S-222 COMPOSITE (T-CG) (01)T1 (B2L) B2R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(CD7515)	MDAC S-222 COMPOSITE (T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 260

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T1B2 AT BETA = 6

FOREBODY AXIAL FORCE COEFFICIENT, CAF



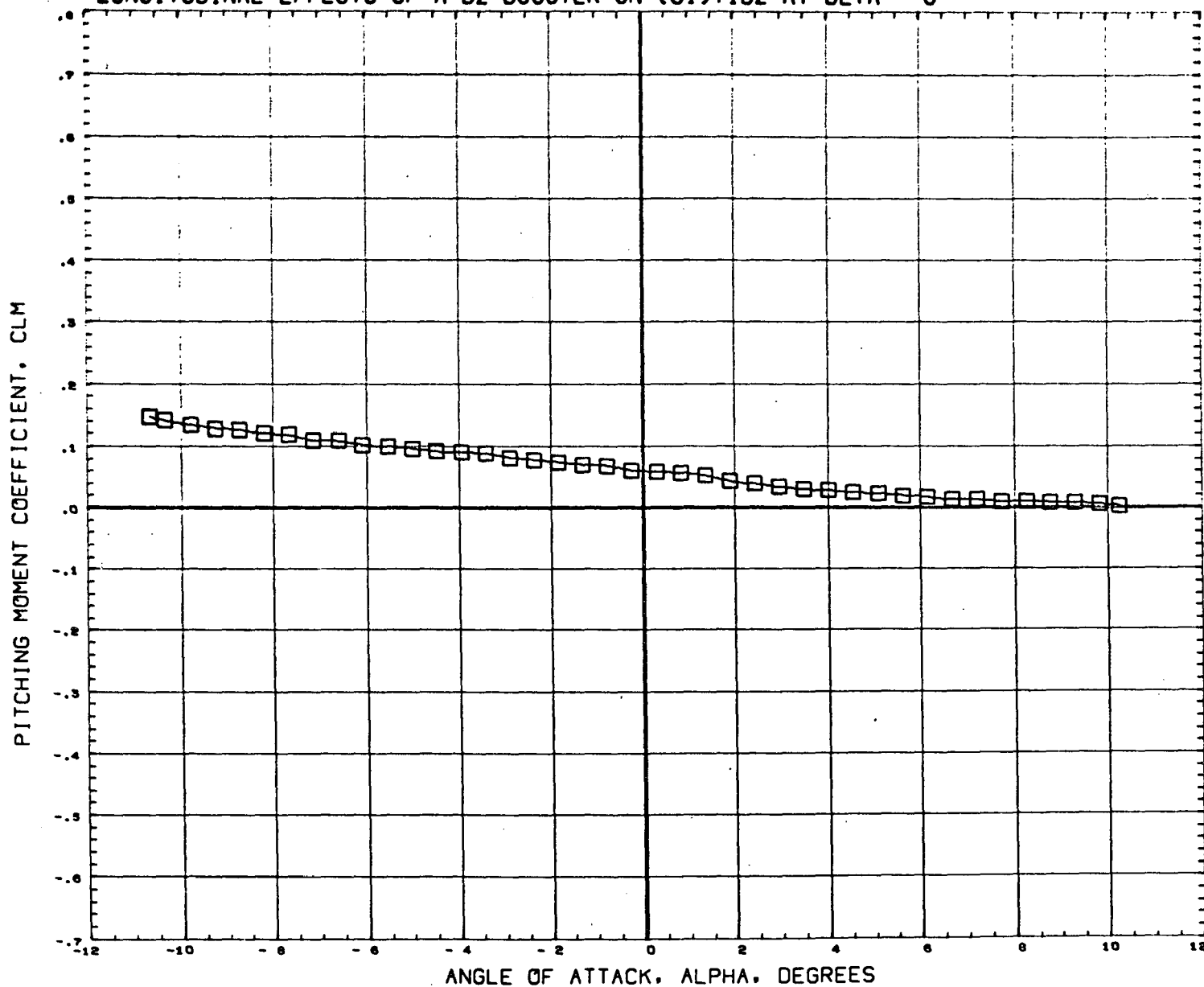
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7409)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7412)	MDAC S-222 COMPOSITE(T-CG) (O1)T1B2L(B2R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7413)	MDAC S-222 COMPOSITE(T-CG) (O1)T1(B2L)B2R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(CD7315)	MDAC S-222 COMPOSITE(T-CG) O1T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH

4.47

PAGE 261

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6



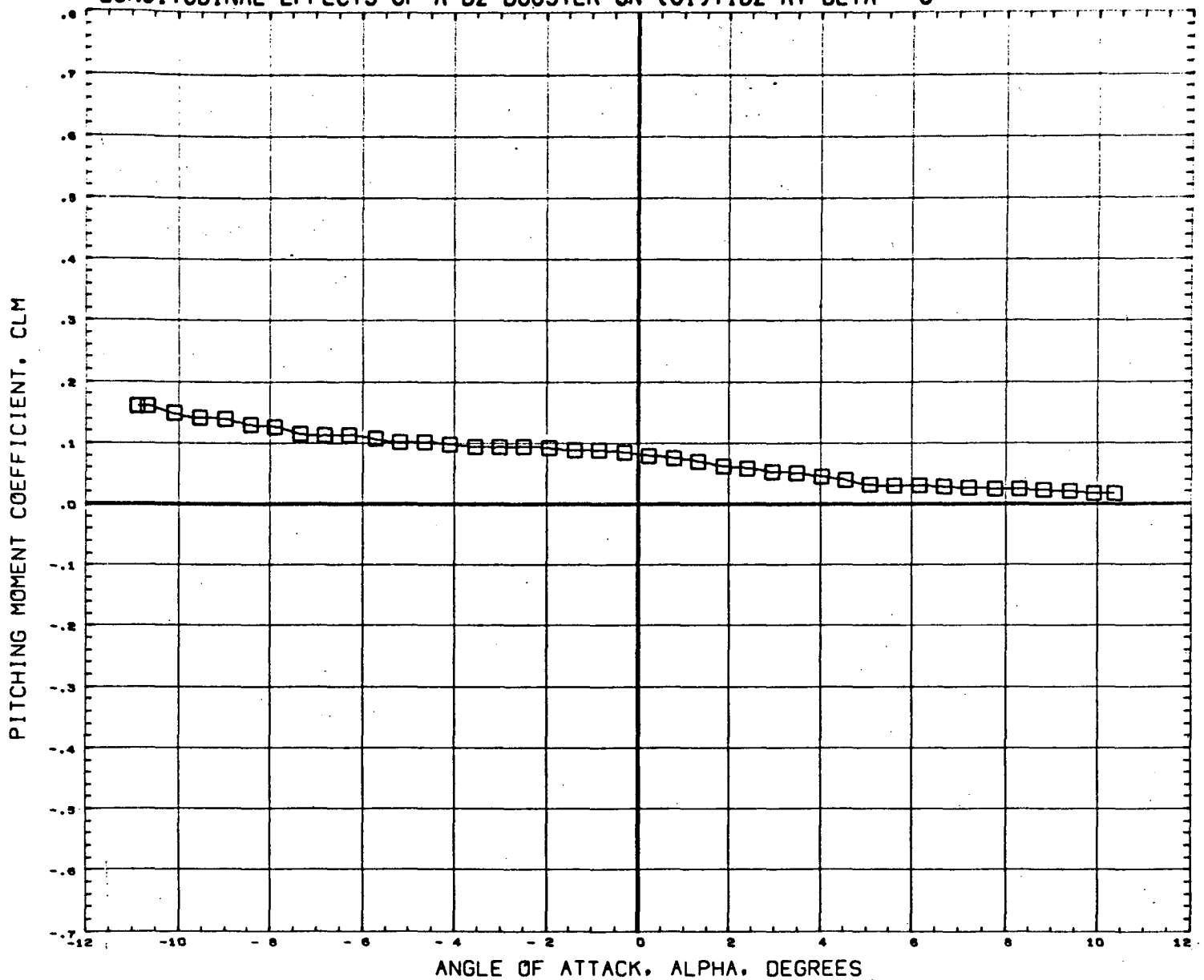
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7409)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7412)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7413)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(CD7515)	□	MDAC S-222 COMPOSITE (T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
							YMRP	0.0000 IN.
							ZMRP	200.0004 IN.
							SCALE	0.0060

MACH .58

PAGE 262



# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6

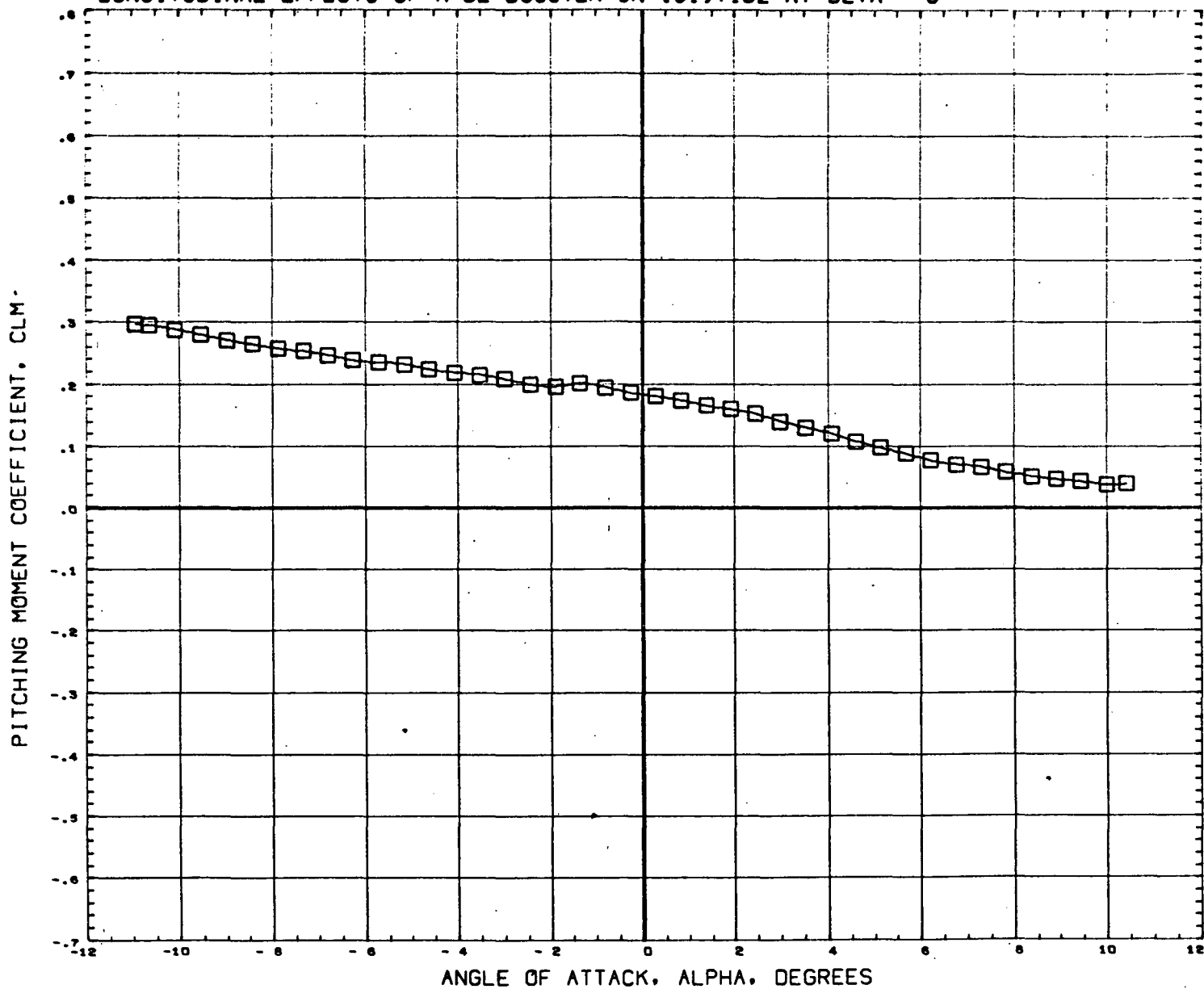


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07409)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07412)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(C07413)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(C07515)	MDAC S-222 COMPOSITE (T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .88

PAGE 263

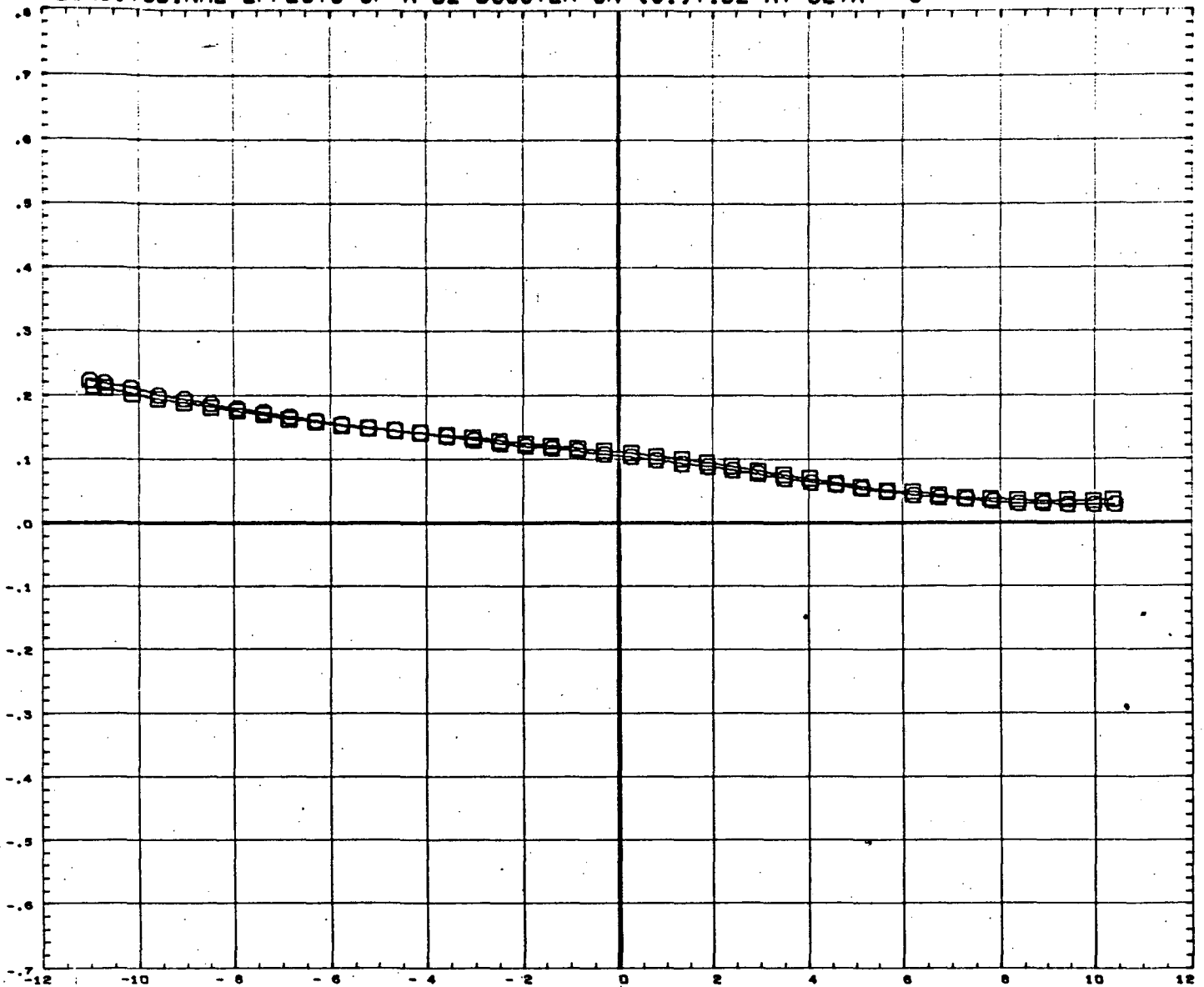
# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7409)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7412)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.3004 IN.
(CD7413)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(CD7515)	MDAC S-222 COMPOSITE (T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0080

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6

PITCHING MOMENT COEFFICIENT, CLM



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7409) MDAC S-222 COMPOSITE (T-CG) (01)T1B2  
 (CD7412) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7413) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7515) MDAC S-222 COMPOSITE (T-CG) 01T1B2

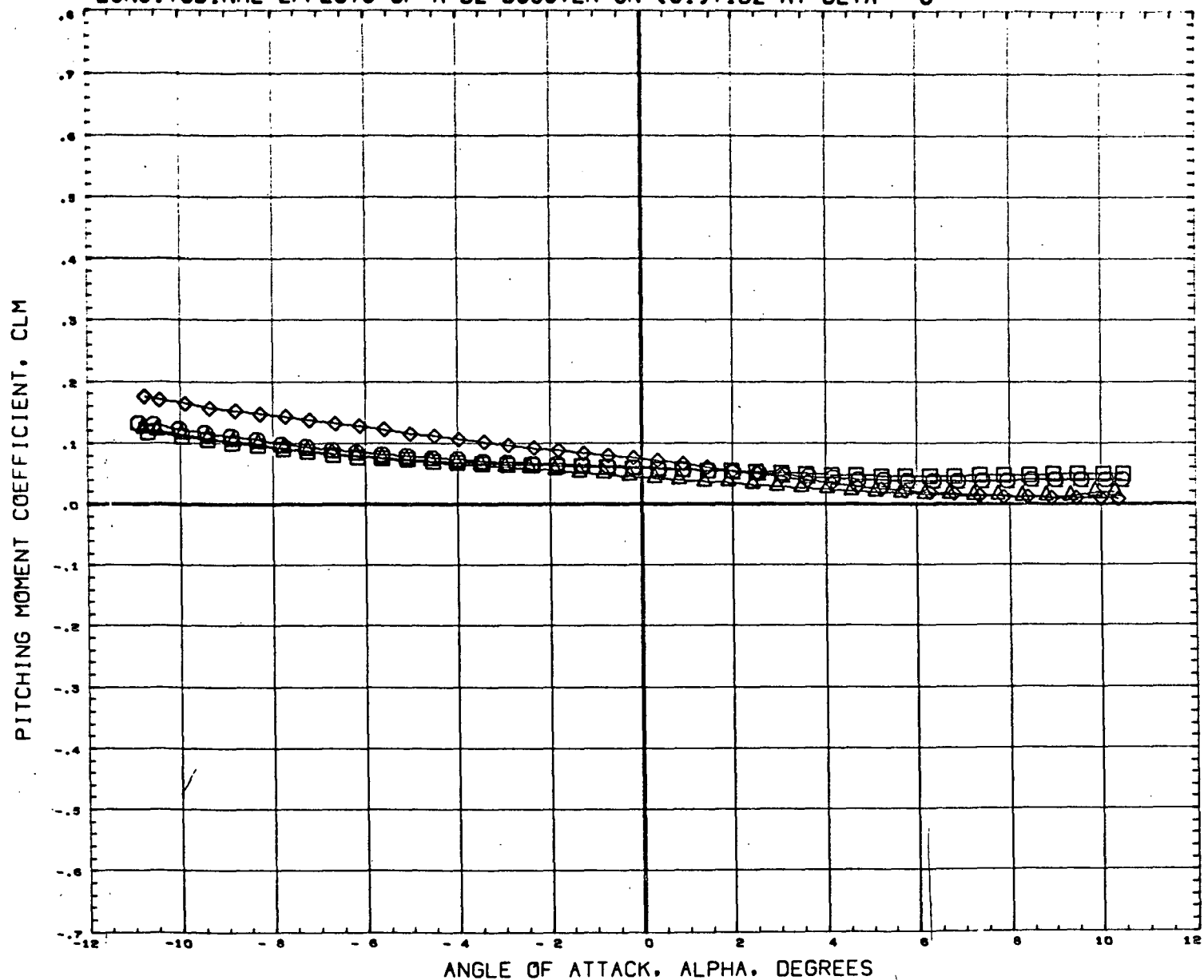
BETA	ELEVTR	AILRON	RUDDER
6.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000

REFERENCE INFORMATION	
SREF	3155.3040 SQ.FT.
LREF	609.5004 IN.
BREF	682.0004 IN.
XMHP	557.0004 IN.
YMHP	0.0000 IN.
ZMHP	200.0004 IN.
SCALE	0.0060

MACH 1.51

PAGE 265

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T1B2 AT BETA = 6

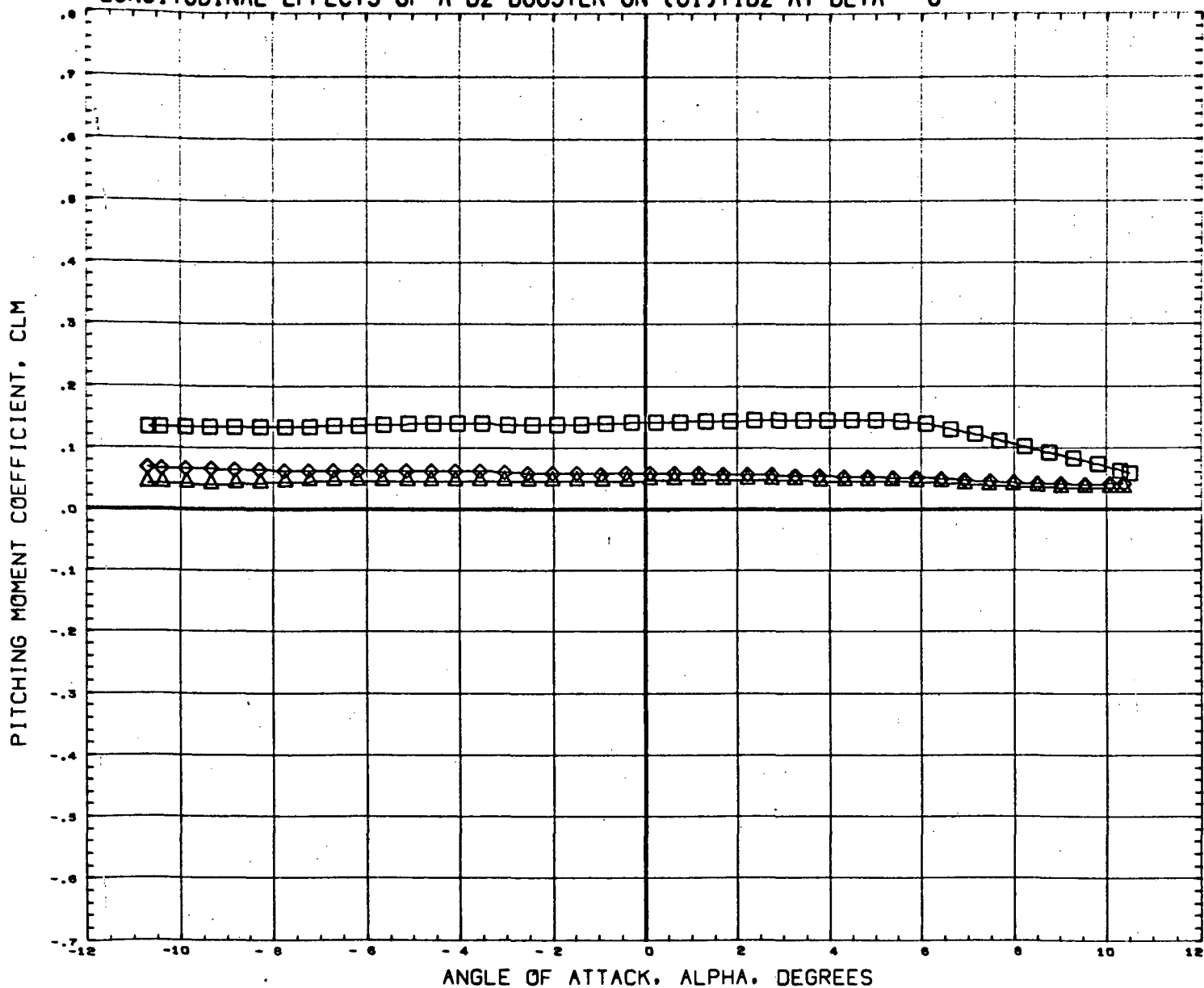


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7409)	MDAC S-222 COMPOSITE (T-CG) (O1) T1B2	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7412)	MDAC S-222 COMPOSITE (T-CG) (O1) T1B2L (B2R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7413)	MDAC S-222 COMPOSITE (T-CG) (O1) T1 (B2L) B2R	6.000	0.000	0.000	0.000	BREF	862.0004 IN.
(CD7515)	MDAC S-222 COMPOSITE (T-CG) O1T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 266

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T1B2 AT BETA = 6



DATA SET SYMBOL CONFIGURATION DESCRIPTION

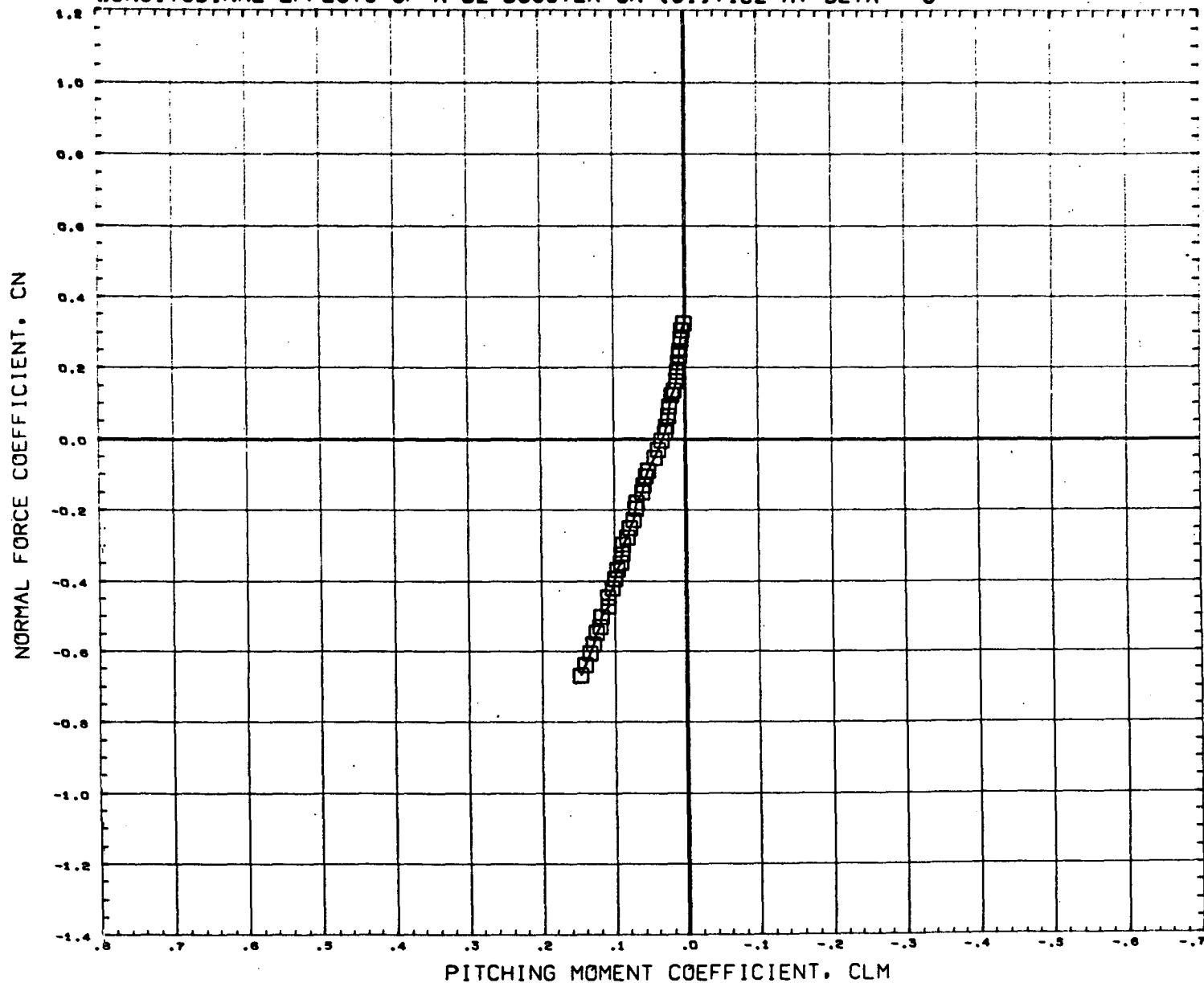
(CD7409) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7412) MDAC S-222 COMPOSITE (T-CG) (O1)T1B2L (B2R)  
 (CD7413) MDAC S-222 COMPOSITE (T-CG) (O1)T1 (B2L)B2R  
 (CD7515) MDAC S-222 COMPOSITE (T-CG) O1T1B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
6.000	0.000	0.000	0.000	BREF	682.0004 IN.
6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

PAGE 267

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6

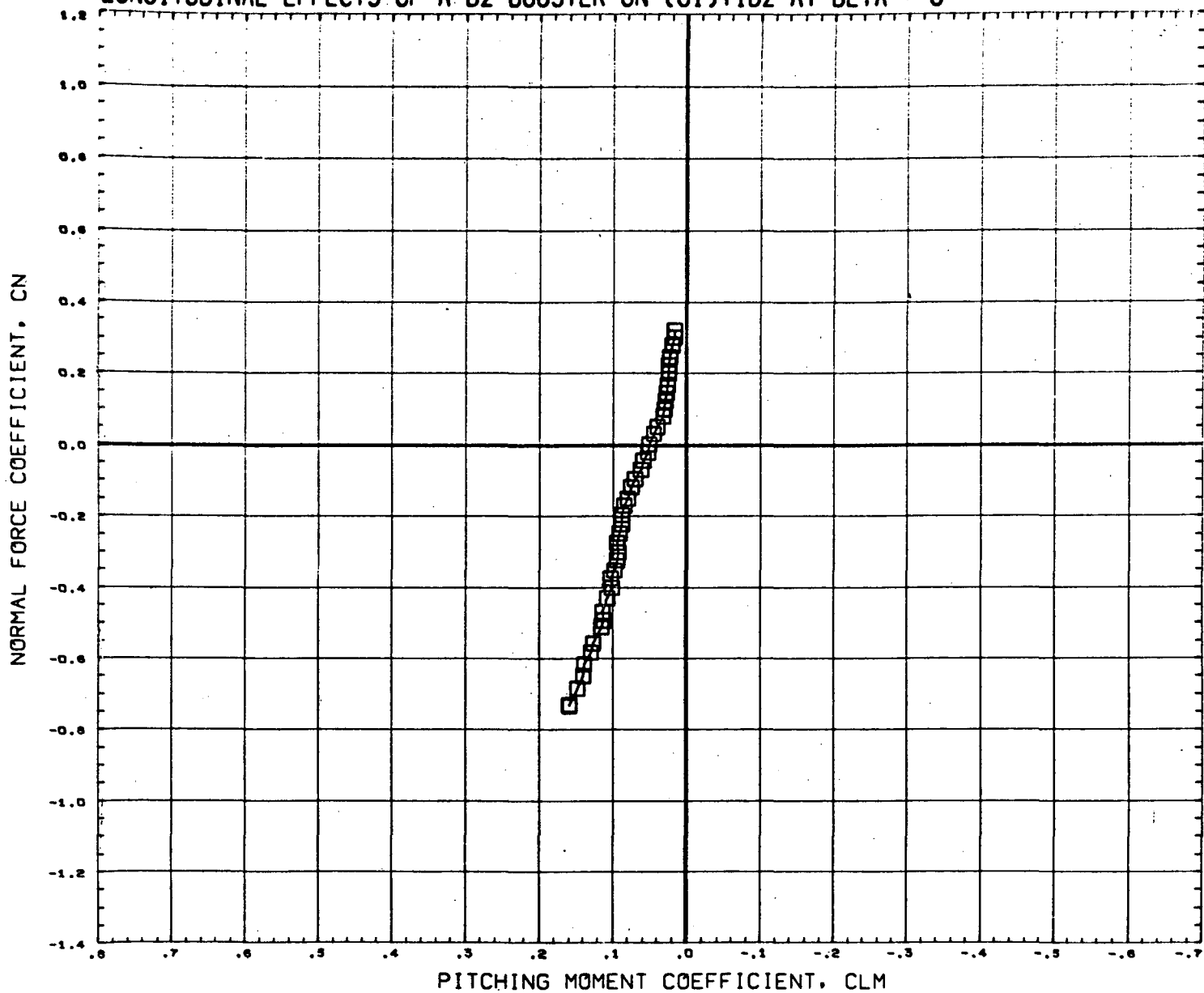


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(C07409)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(C07412)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004	IN.
(C07413)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BREF	862.0004	IN.
(C07515)	MDAC S-222 COMPOSITE (T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMHP	557.0004	IN.
						YMHP	0.0000	IN.
						ZMHP	200.0004	IN.
						SCALE	0.0060	

MACH .58

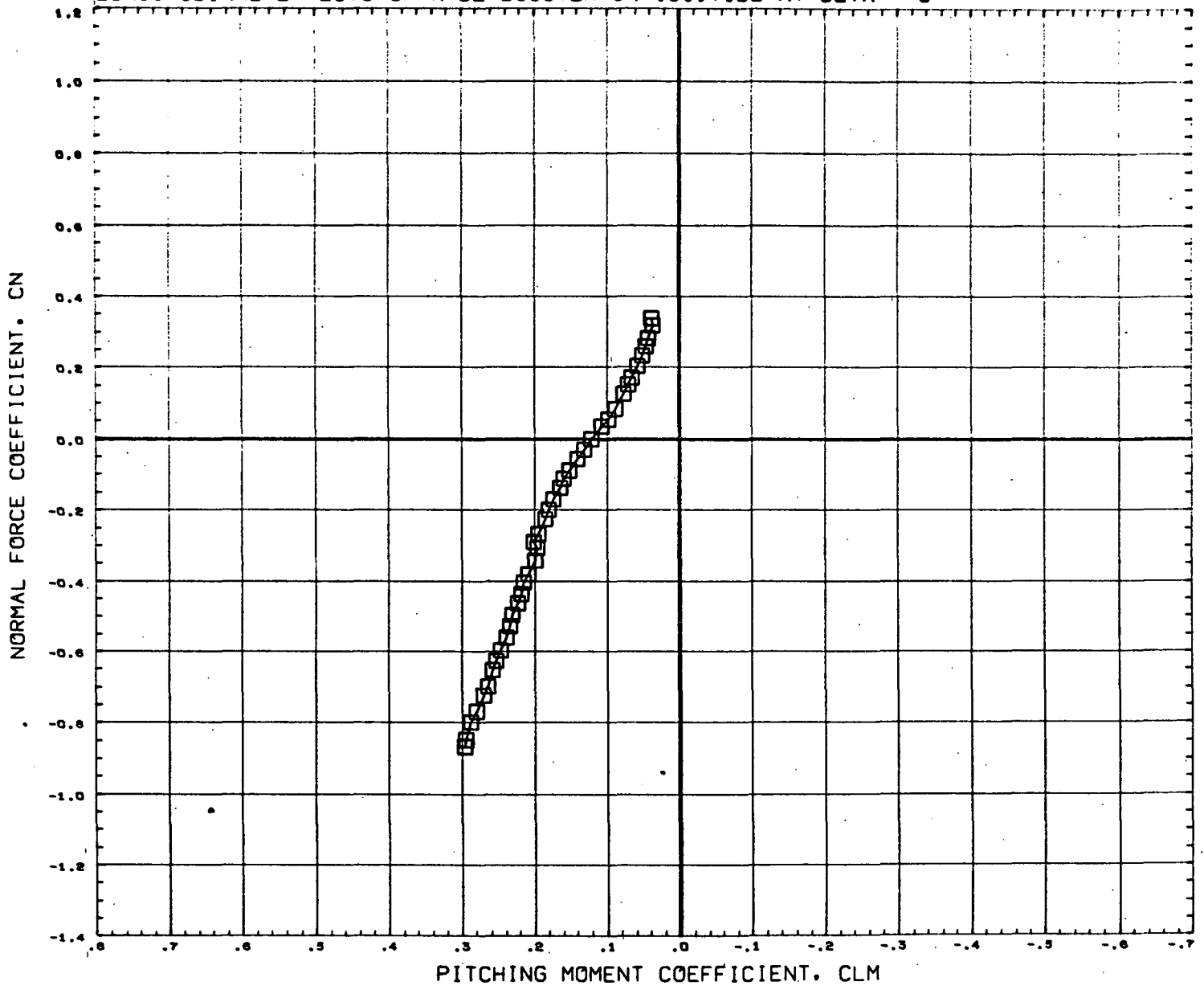
PAGE 268

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07409)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07412)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(C07413)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BREF	862.0004 IN.
(C07515)	MDAC S-222 COMPOSITE (T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6



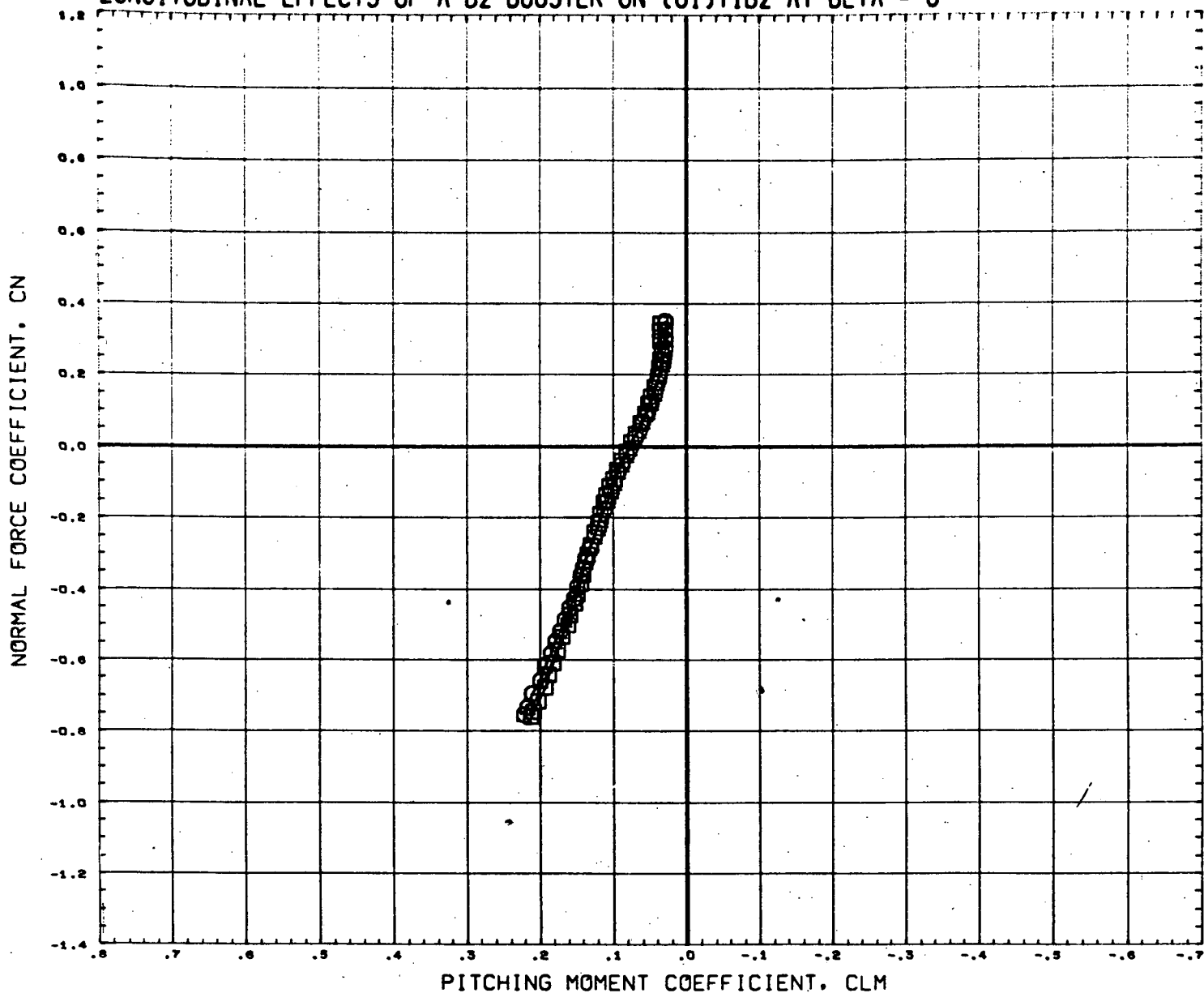
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7409)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD7412)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004	IN.
(CD7413)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	882.0004	IN.
(CD7515)	MDAC S-222 COMPOSITE (T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH 1.08

PAGE 270



# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6



DATA SET SYMBOL CONFIGURATION DESCRIPTION

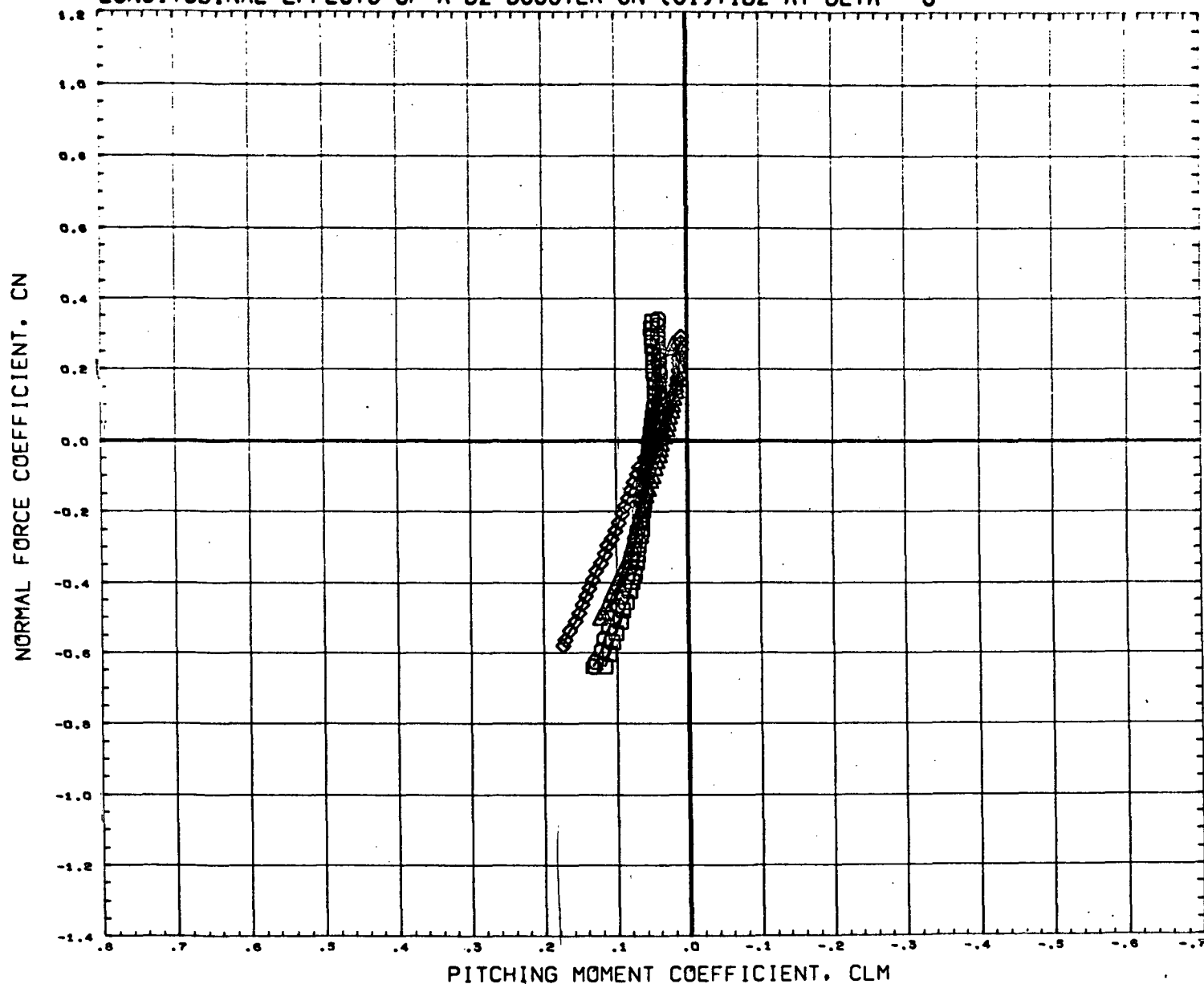
(CD7409)  MDAC S-222 COMPOSITE (T-CG) (01)T1B2  
 (CD7412)  DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7413)  DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7515)  MDAC S-222 COMPOSITE (T-CG) 01T1B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
6.000	0.000	0.000	0.000	BREF	882.0004 IN.
6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 271

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T1B2 AT BETA = 6



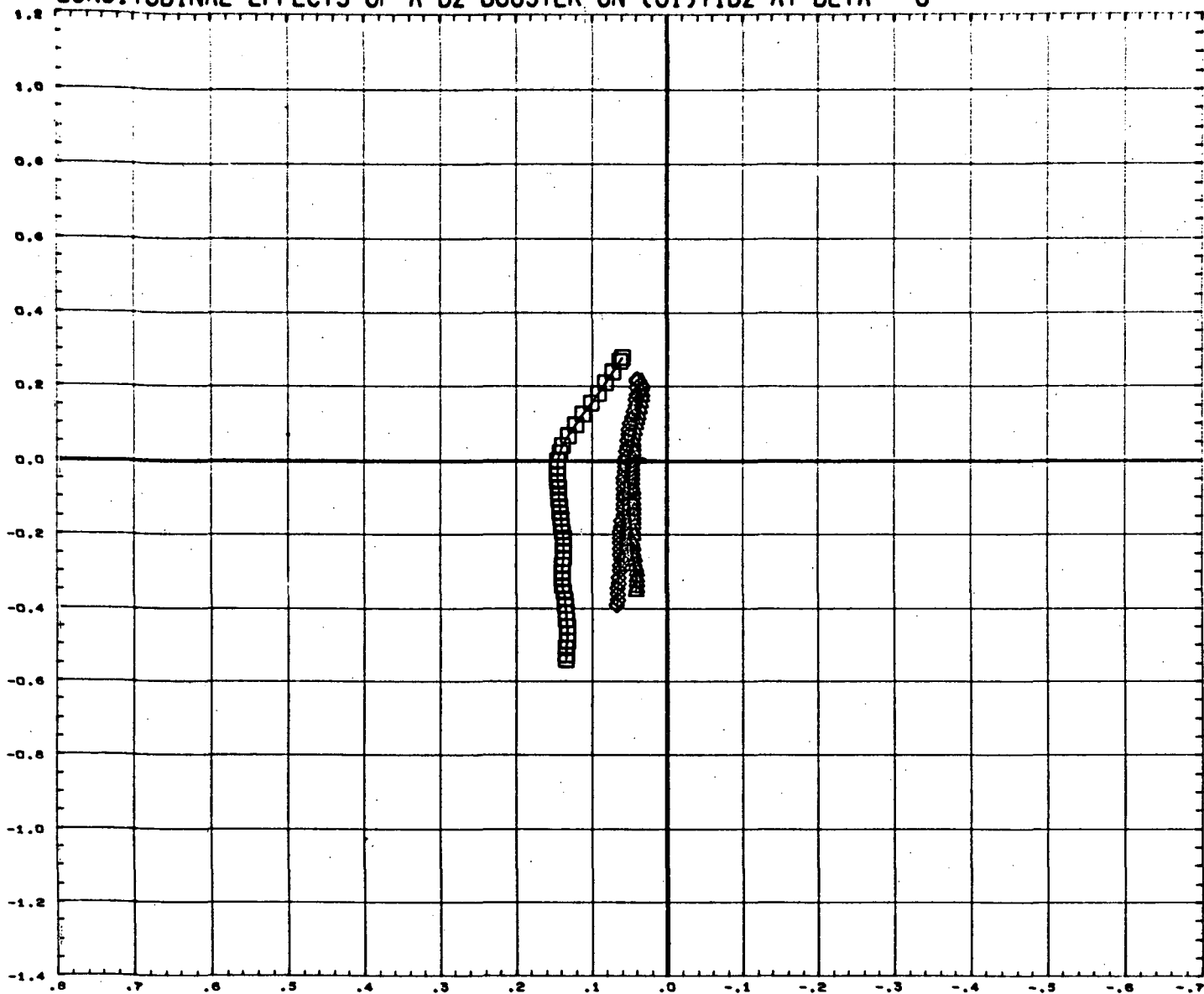
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7409)	MDAC S-222 COMPOSITE (T-CG) (O1) T1B2	6.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD7412)	MDAC S-222 COMPOSITE (T-CG) (O1) T1B2L (B2R)	6.000	0.000	0.000	0.000	LREF	609.5004	IN.
(CD7413)	MDAC S-222 COMPOSITE (T-CG) (O1) T1 (B2L) B2R	6.000	0.000	0.000	0.000	BREF	882.0004	IN.
(CD7515)	MDAC S-222 COMPOSITE (T-CG) O1T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH 2.20

PAGE 272

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T1B2 AT BETA = 6

NORMAL FORCE COEFFICIENT, CN



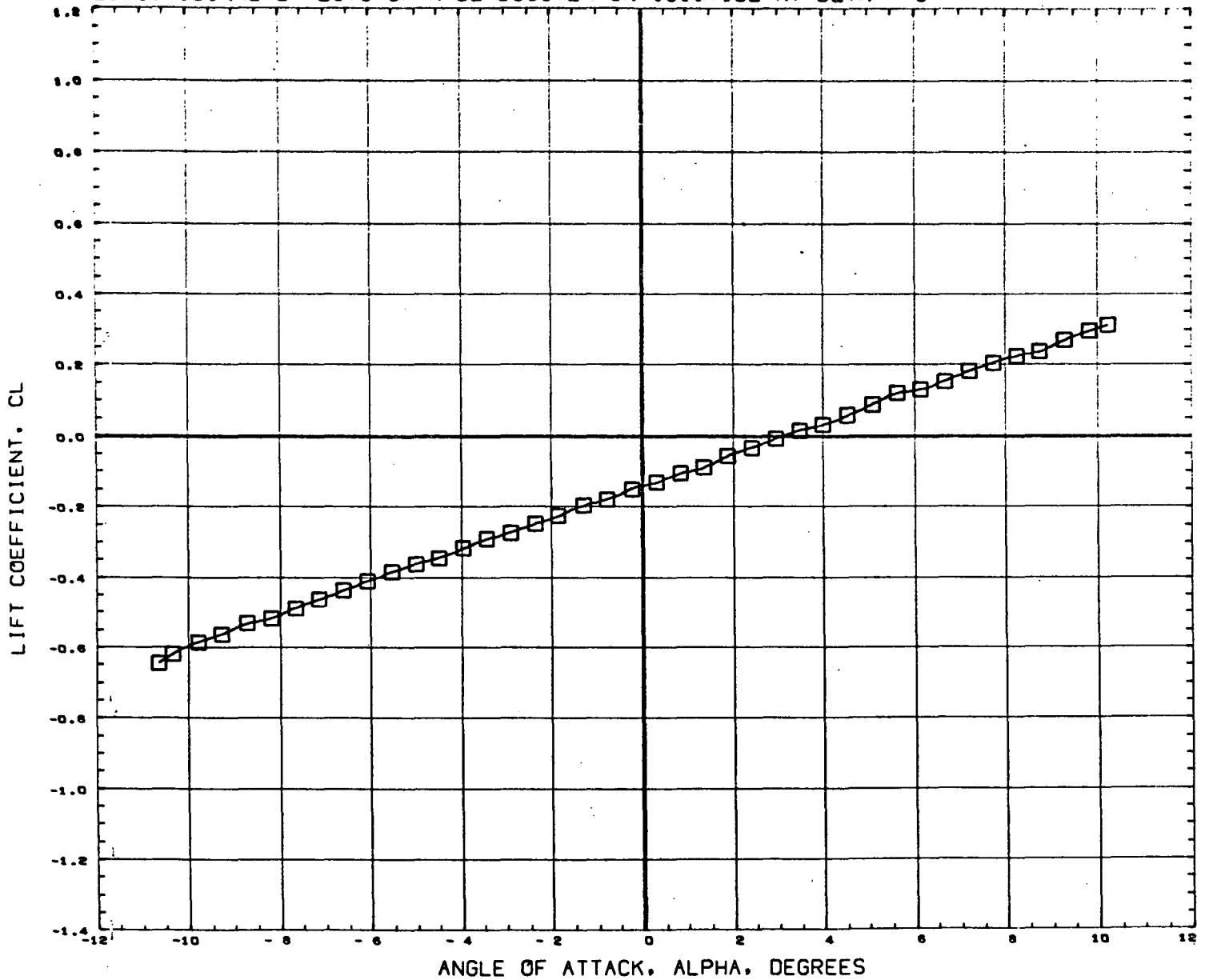
PITCHING MOMENT COEFFICIENT, CLM

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07409)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07412)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B2L (B2R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(C07413)	MDAC S-222 COMPOSITE (T-CG) (O1)T1 (B2L)B2R	6.000	0.000	0.000	0.000	BREF	682.0004 IN.
(C07515)	MDAC S-222 COMPOSITE (T-CG) O1T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 273

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6

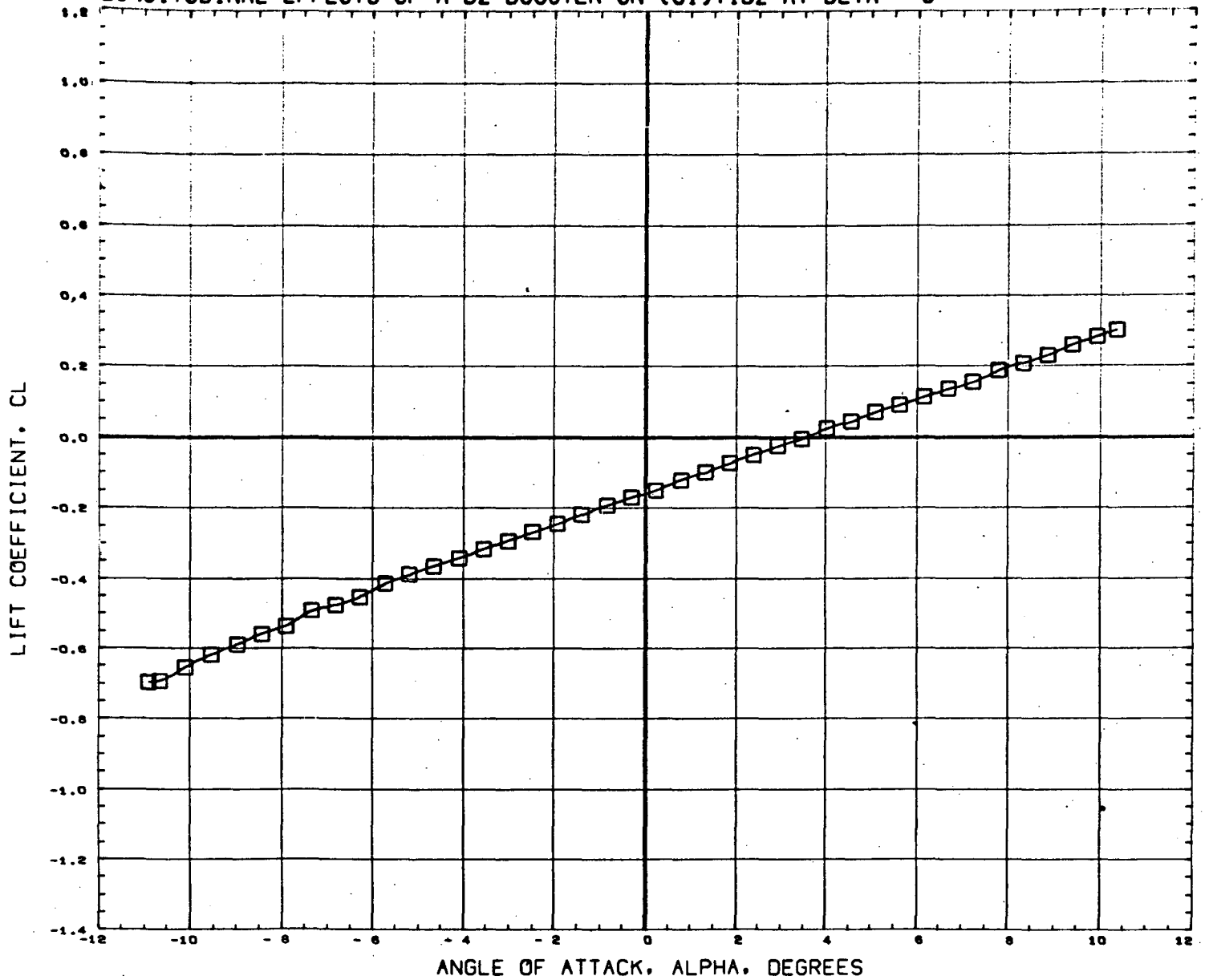


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7409)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7412)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7413)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(CD7515)	MDAC S-222 COMPOSITE(T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .58

PAGE 274

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6



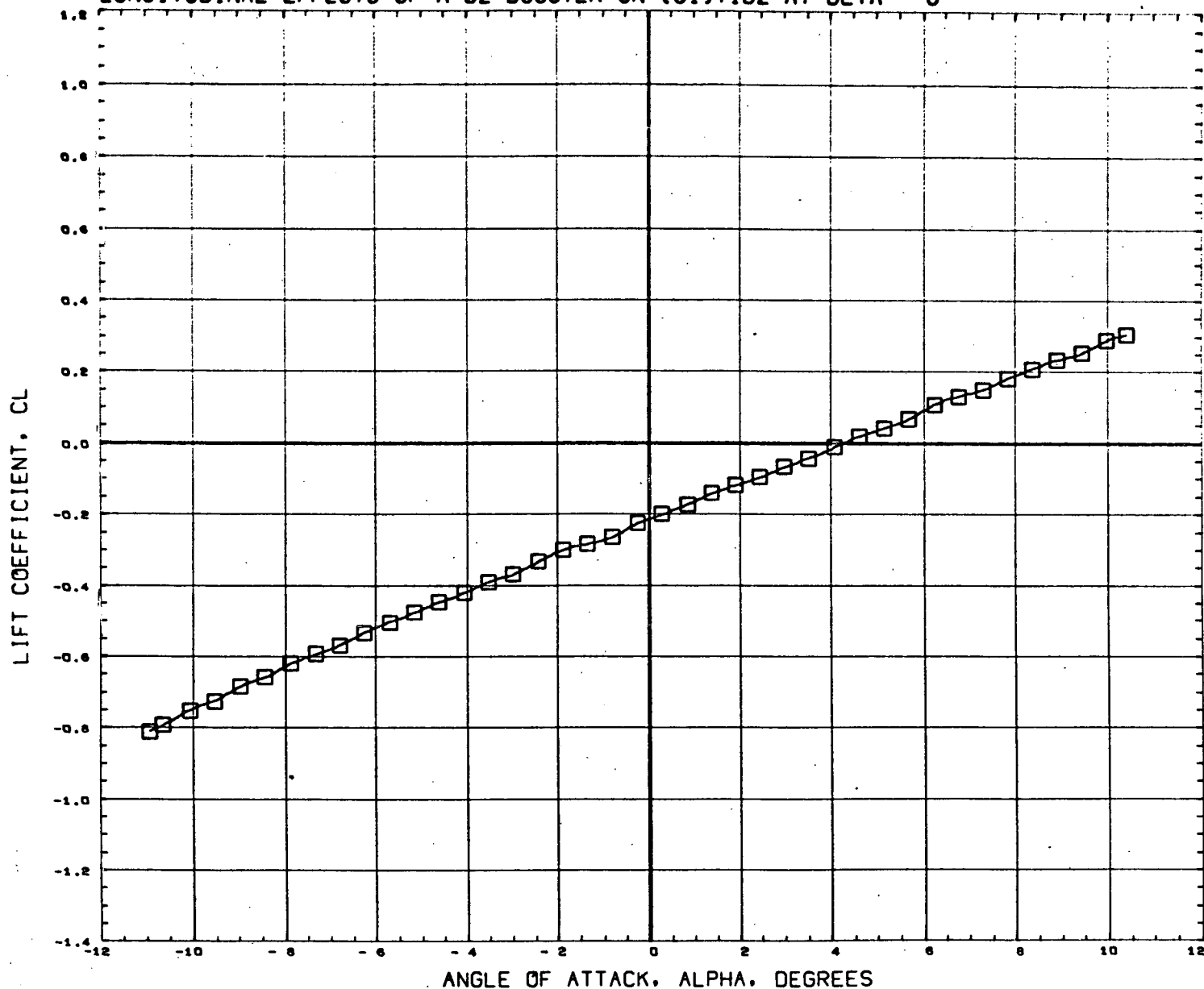
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7409) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7412) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7413) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7515) MDAC S-222 COMPOSITE (T-C6) 01T1B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
6.000	0.000	0.000	0.000	BREF	882.0004 IN.
6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .88

PAGE 275

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6

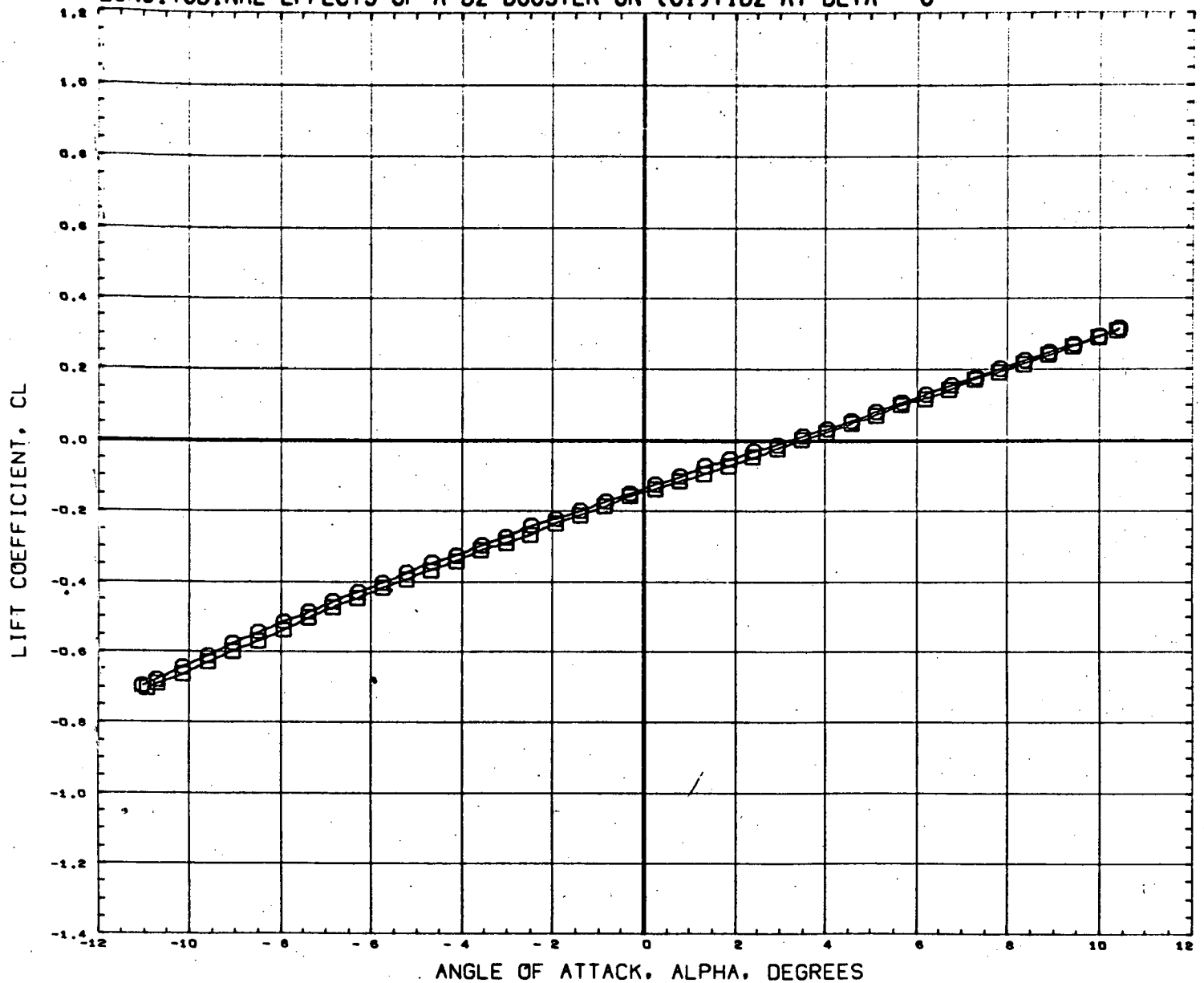


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7409)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7412)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7413)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(CD7515)	MDAC S-222 COMPOSITE (T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.08

PAGE 276

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6

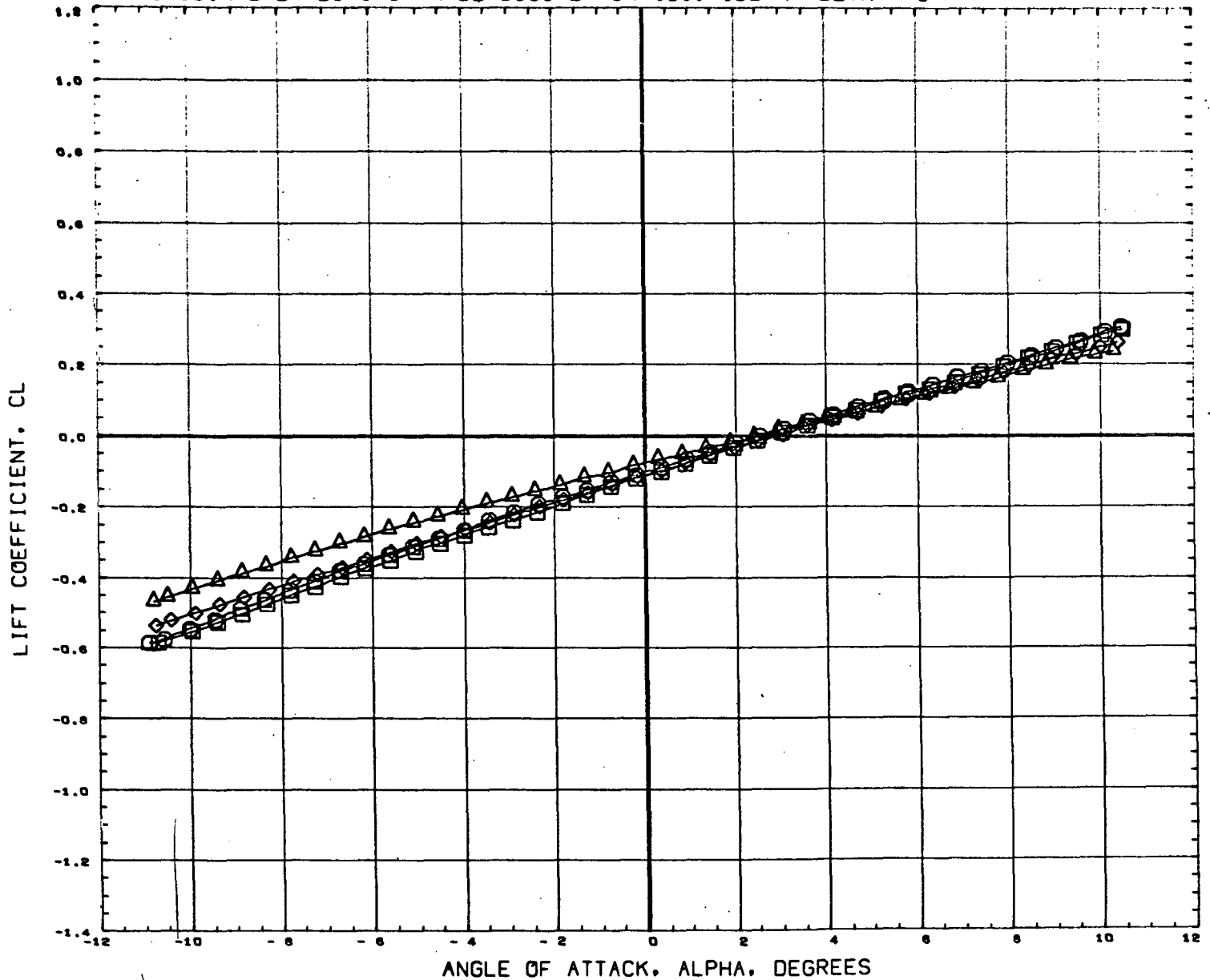


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7409)	MDAC S-222 COMPOSITE (T-CG) (01)T1B2	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7412)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7413)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(CD7315)	MDAC S-222 COMPOSITE (T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

PAGE 277

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T1B2 AT BETA = 6



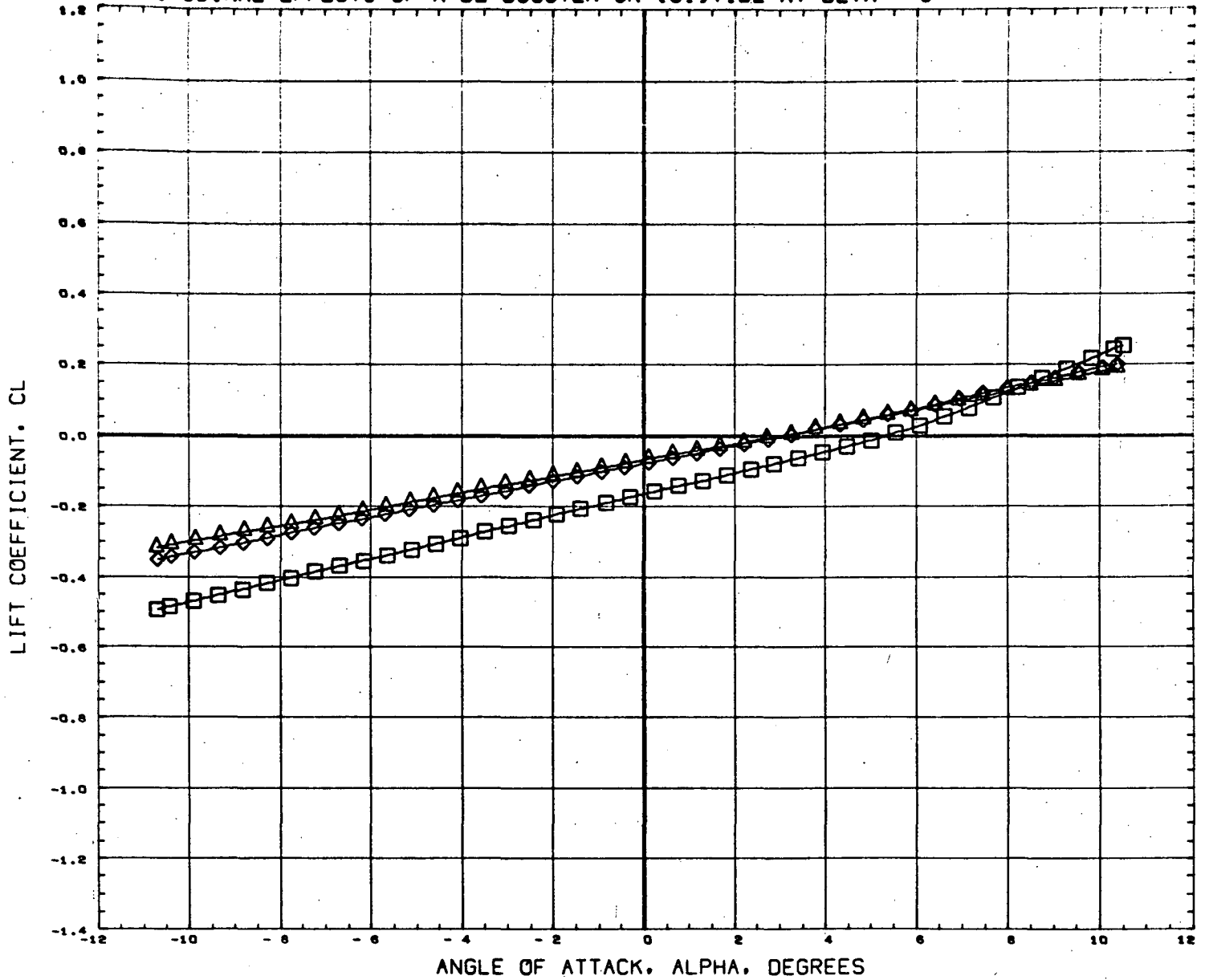
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7409)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B2	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7412)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B2L (B2R)	6.000	0.000	0.000	0.000	LREF	609.9004 IN.
(CD7413)	MDAC S-222 COMPOSITE (T-CG) (O1)T1 (B2L)B2R	6.000	0.000	0.000	0.000	BREF	682.0004 IN.
(CD7515)	MDAC S-222 COMPOSITE (T-CG) O1T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 278



# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T1B2 AT BETA = 6



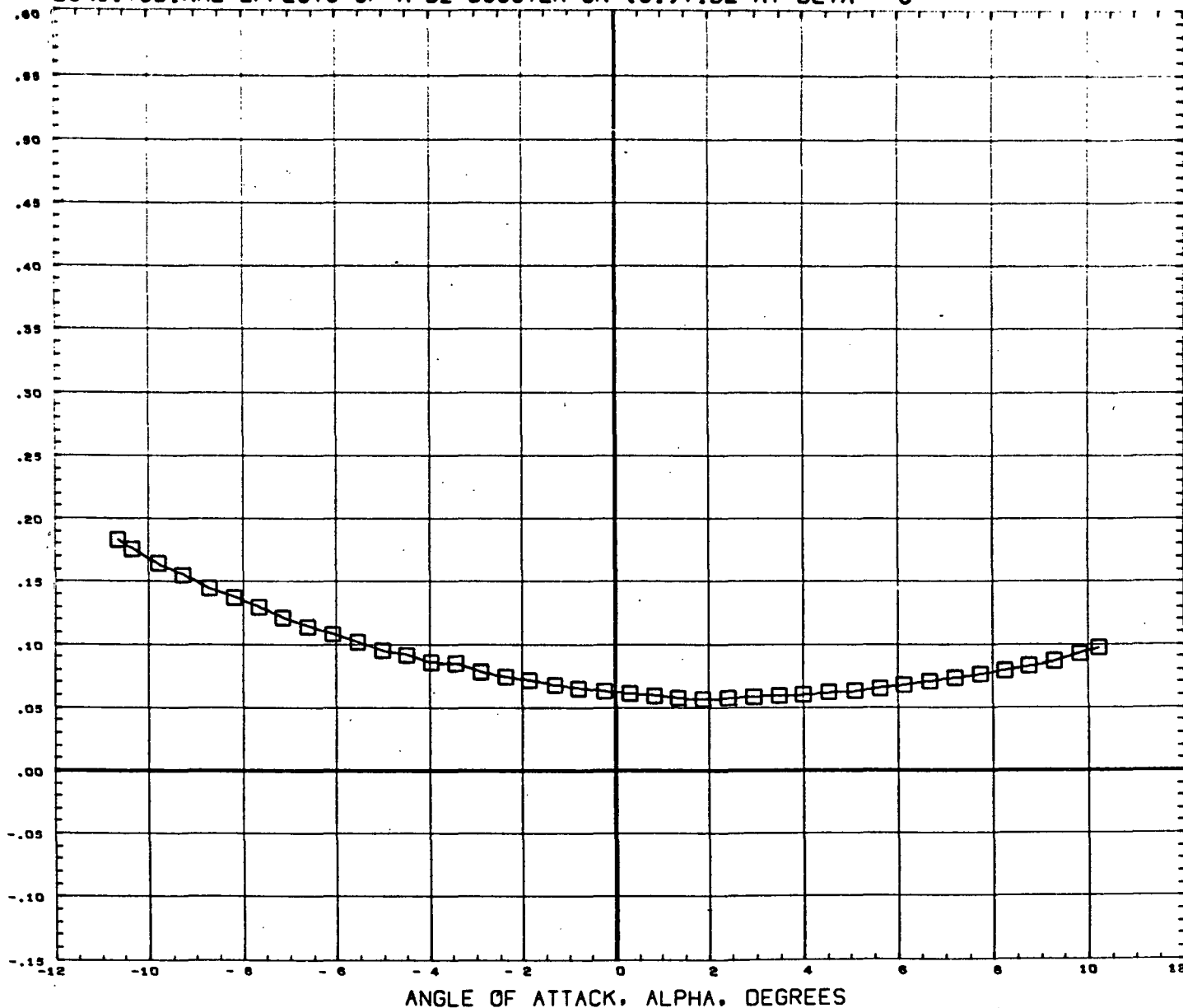
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7409)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7412)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B2L (B2R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7413)	MDAC S-222 COMPOSITE (T-CG) (O1)T1 (B2L)B2R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(CD7515)	MDAC S-222 COMPOSITE (T-CG) O1T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 279

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6

FOREBODY DRAG COEFFICIENT, CDF



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7409)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7412)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7413)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(CD7515)	MDAC S-222 COMPOSITE(T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

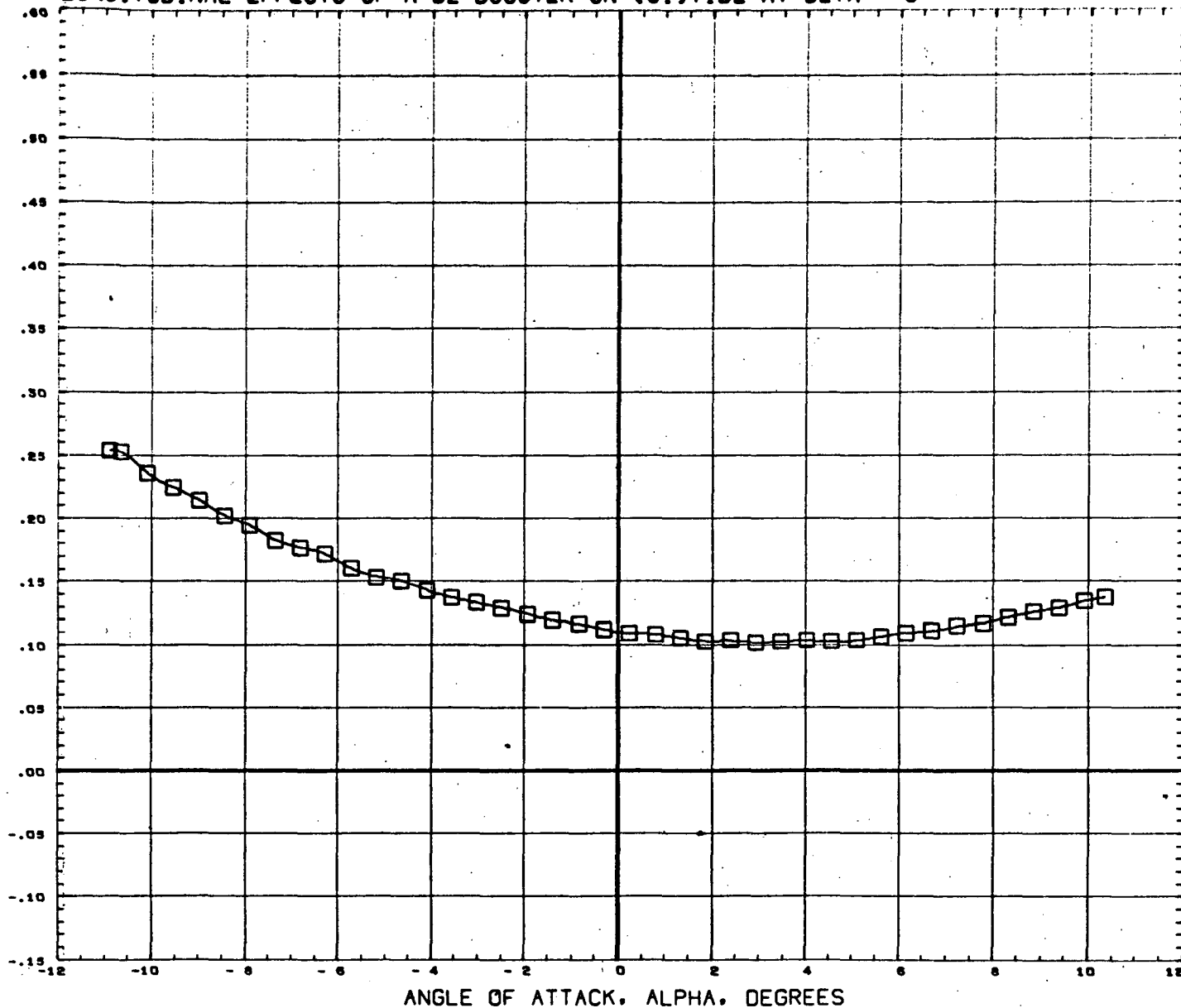
MACH

.58

PAGE 280

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7409) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7412) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7413) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7515) MDAC S-222 COMPOSITE(T-CG) 01T1B2

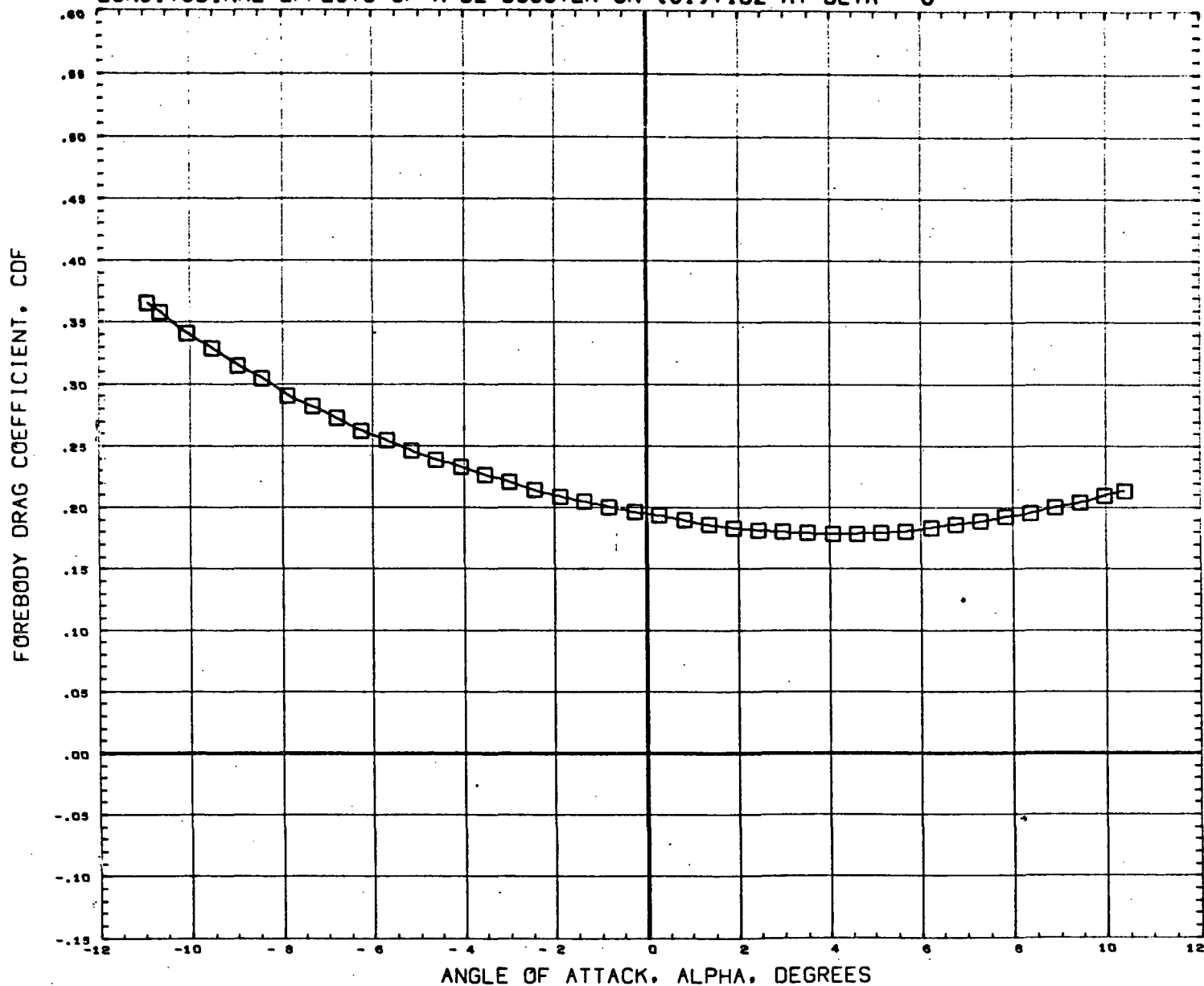
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
6.000	0.000	0.000	0.000	SREF	3155.3040	SQ. FT.
6.000	0.000	0.000	0.000	LREF	609.5004	IN.
6.000	0.000	0.000	0.000	BREF	662.0004	IN.
6.000	0.000	0.000	0.000	XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH

.88

PAGE 281

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6

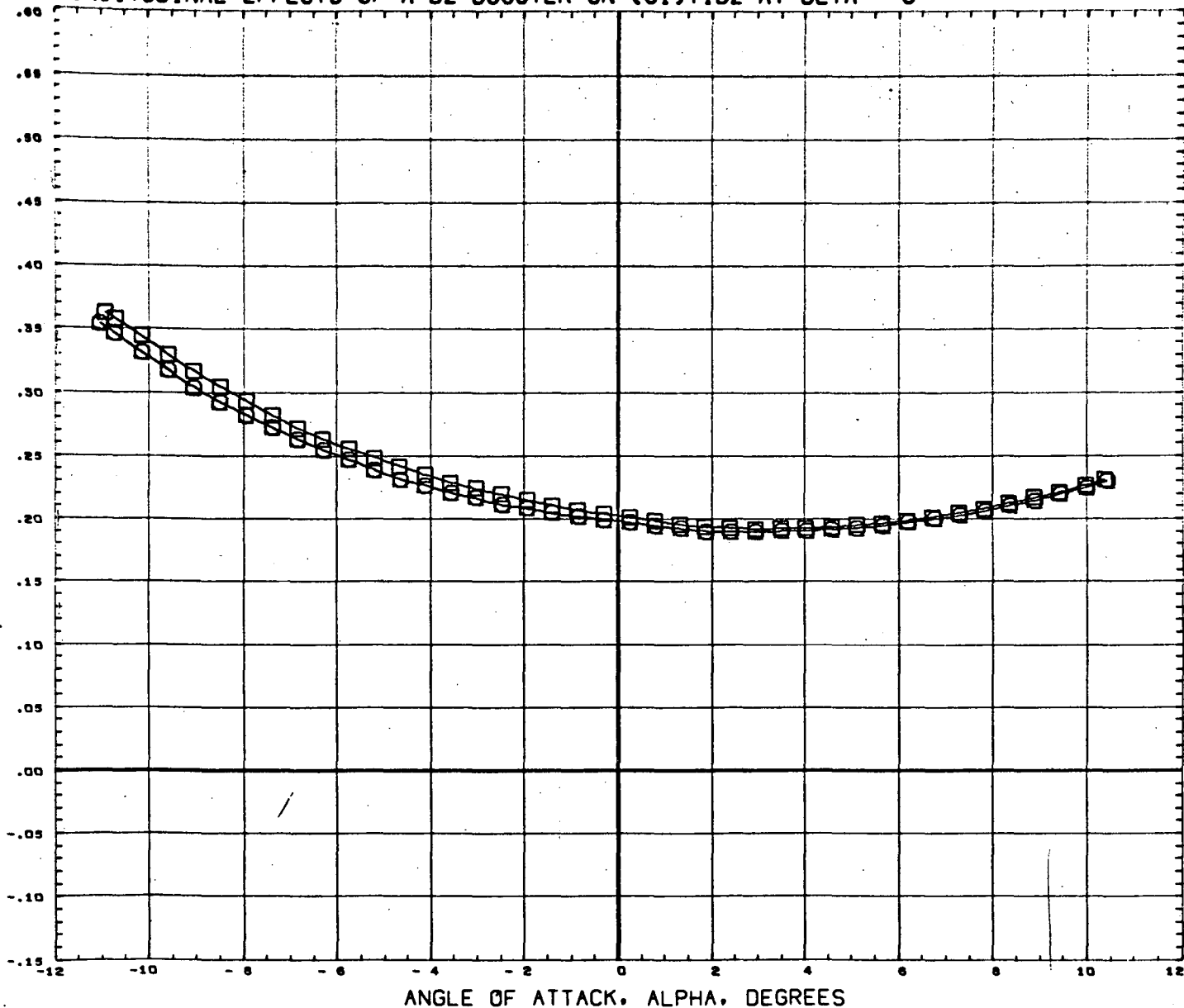


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7409)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7412)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7413)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(CD7515)	MDAC S-222 COMPOSITE(T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH 1.08

PAGE 282

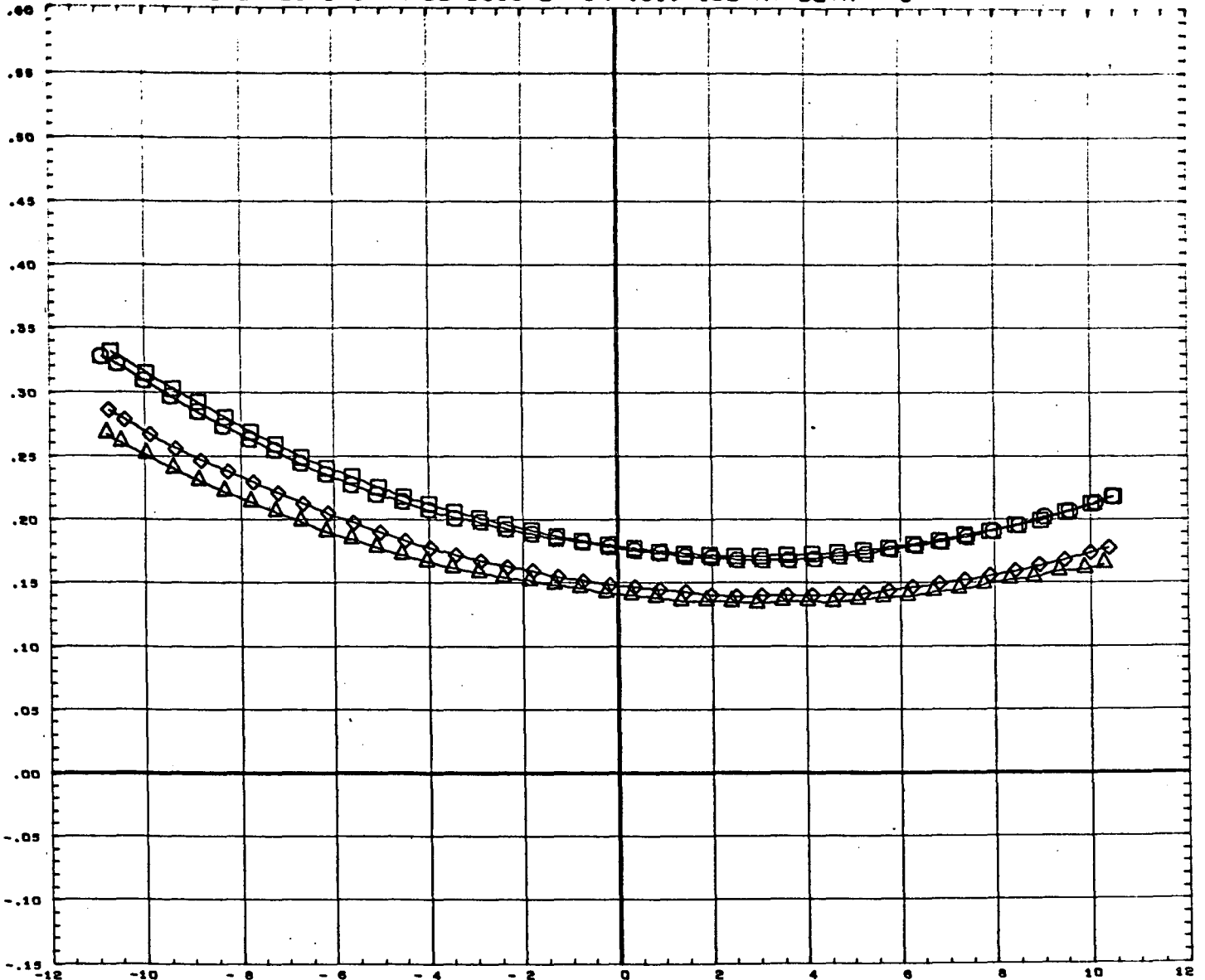
# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7409)	MDAC S-222 COMPOSITE(T-CG) (01)T1B2	6.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD7412)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004	IN.
(CD7413)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BREF	662.0004	IN.
(CD7515)	MDAC S-222 COMPOSITE(T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6

FOREBODY DRAG COEFFICIENT, CDF



ANGLE OF ATTACK, ALPHA, DEGREES

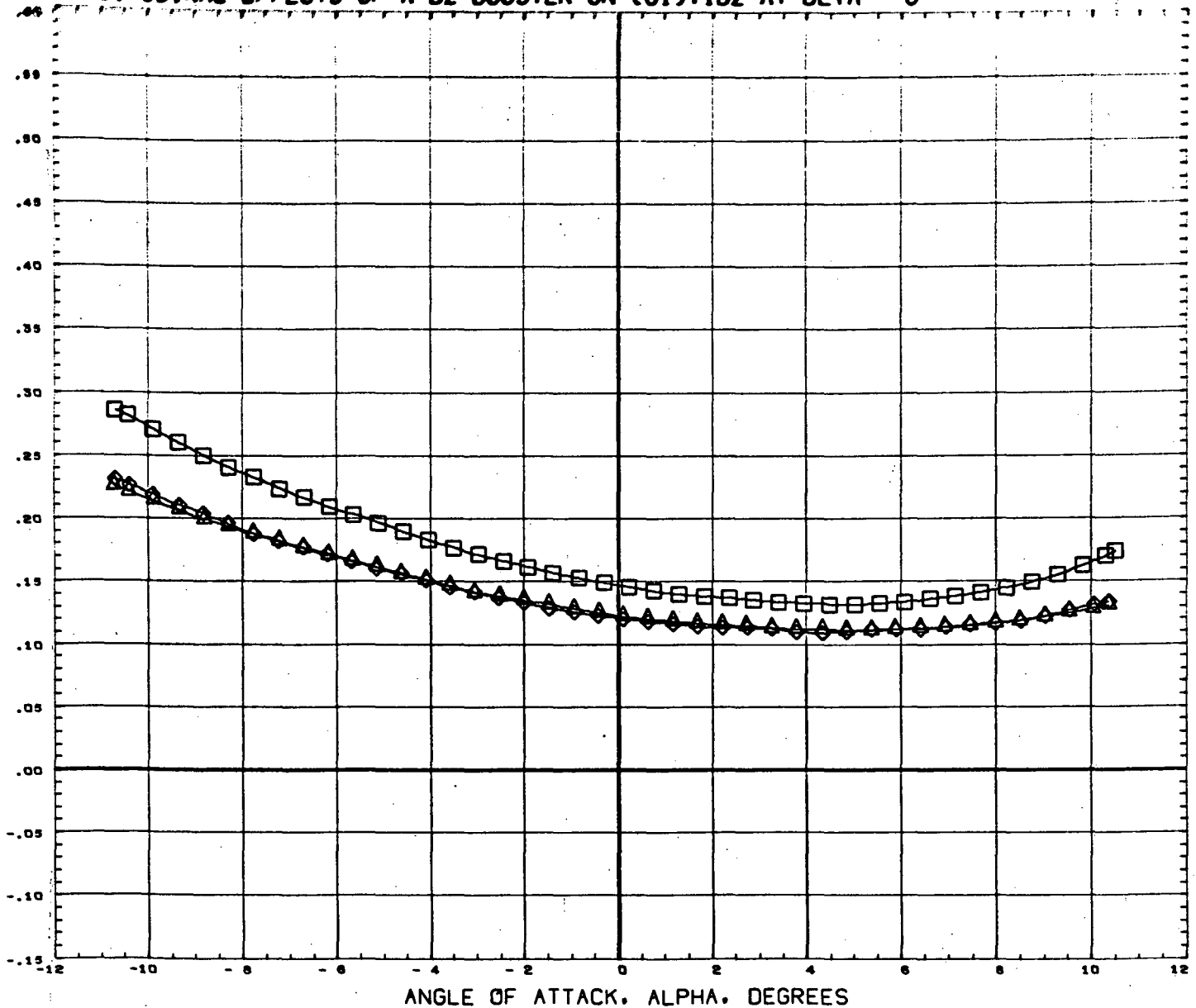
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7409)	MDAC S-222 COMPOSITE (T-CG) (01)T1B2	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7412)	MDAC S-222 COMPOSITE (T-CG) (01)T1B2L (B2R)	6.000	0.000	0.000	0.000	LREF	809.5004 IN.
(CD7413)	MDAC S-222 COMPOSITE (T-CG) (01)T1 (B2L)B2R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(CD7515)	MDAC S-222 COMPOSITE (T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 284

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6

FOREBODY DRAG COEFFICIENT, CDF



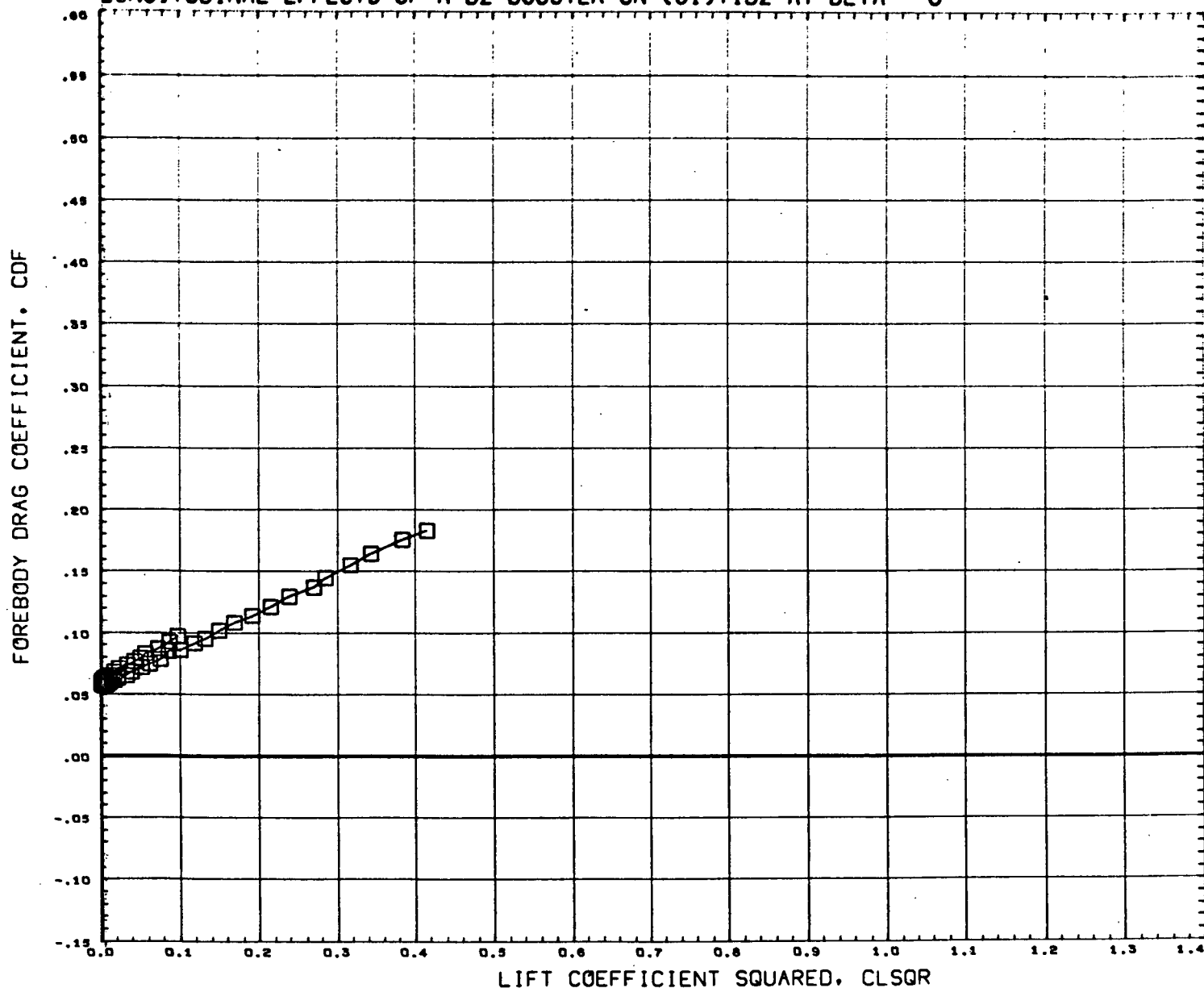
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7409)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7412)	MDAC S-222 COMPOSITE (T-CG) (01) T1B2L (B2R)	6.000	0.000	0.000	0.000	LREF	609.3004 IN.
(CD7413)	MDAC S-222 COMPOSITE (T-CG) (01) T1 (B2L) B2R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(CD7515)	MDAC S-222 COMPOSITE (T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH

4.47

PAGE 285

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6



DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7409)    ○    DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7412)    △    DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7413)    ◇    DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7515)    □    MDAC S-222 COMPOSITE (T-CG) O1T1B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
6.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004	IN.
6.000	0.000	0.000	0.000	BREF	882.0004	IN.
6.000	0.000	0.000	0.000	XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH

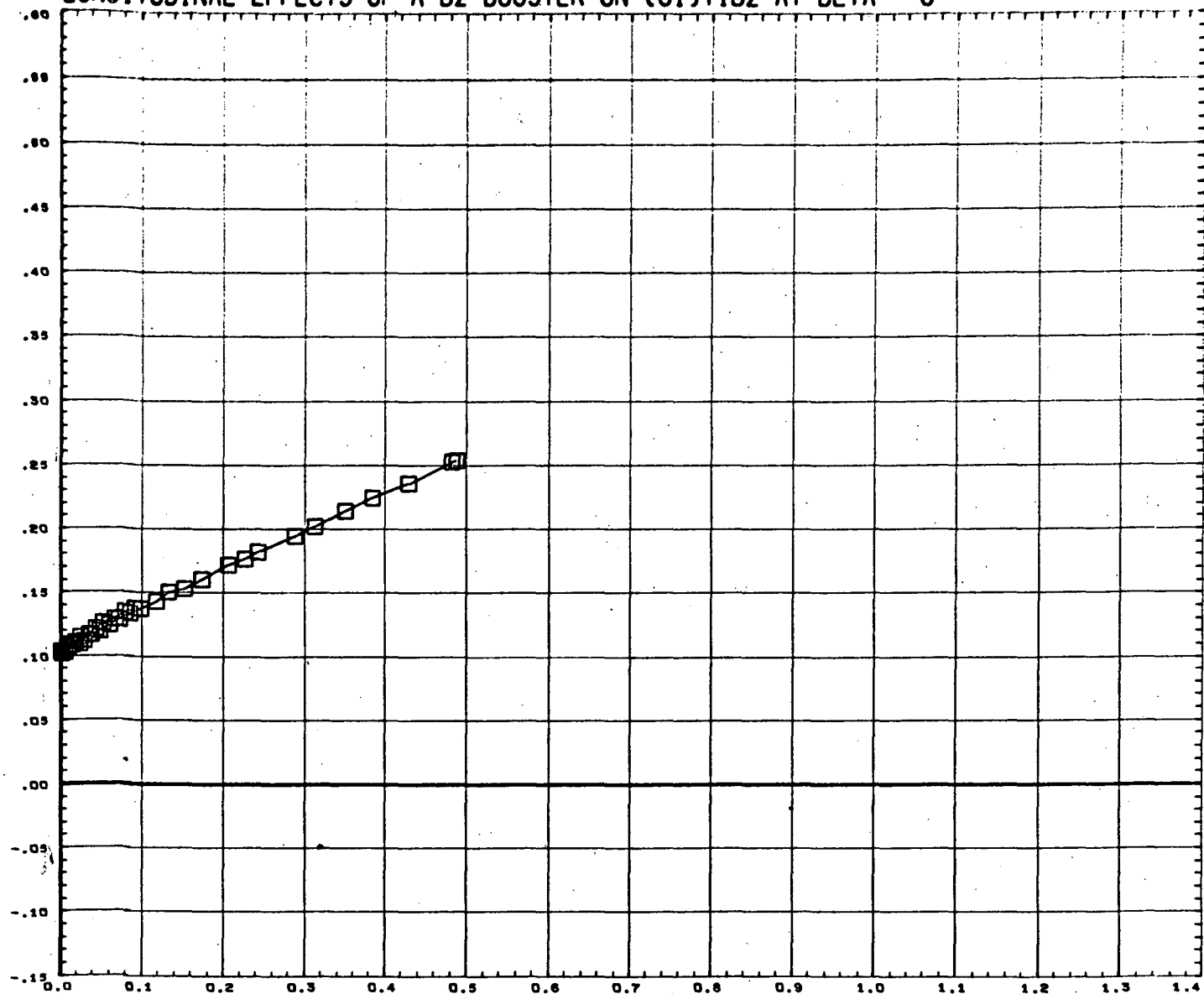
.58

PAGE 286



# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQ

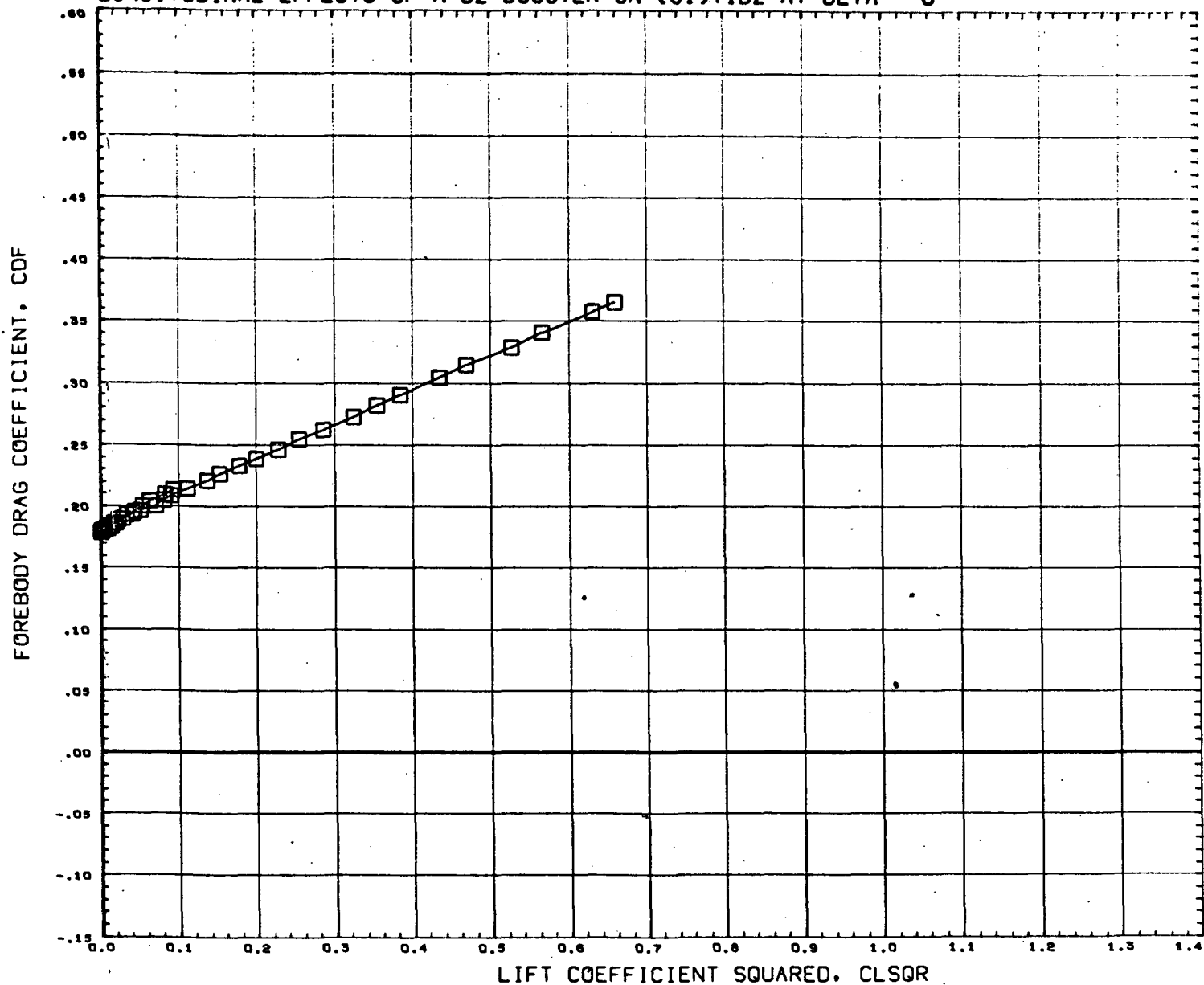
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7409)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7412)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.3004 IN.
(CD7413)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(CD7513)	MDAC S-222 COMPOSITE (T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMRP	957.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH

.88

PAGE 287

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6



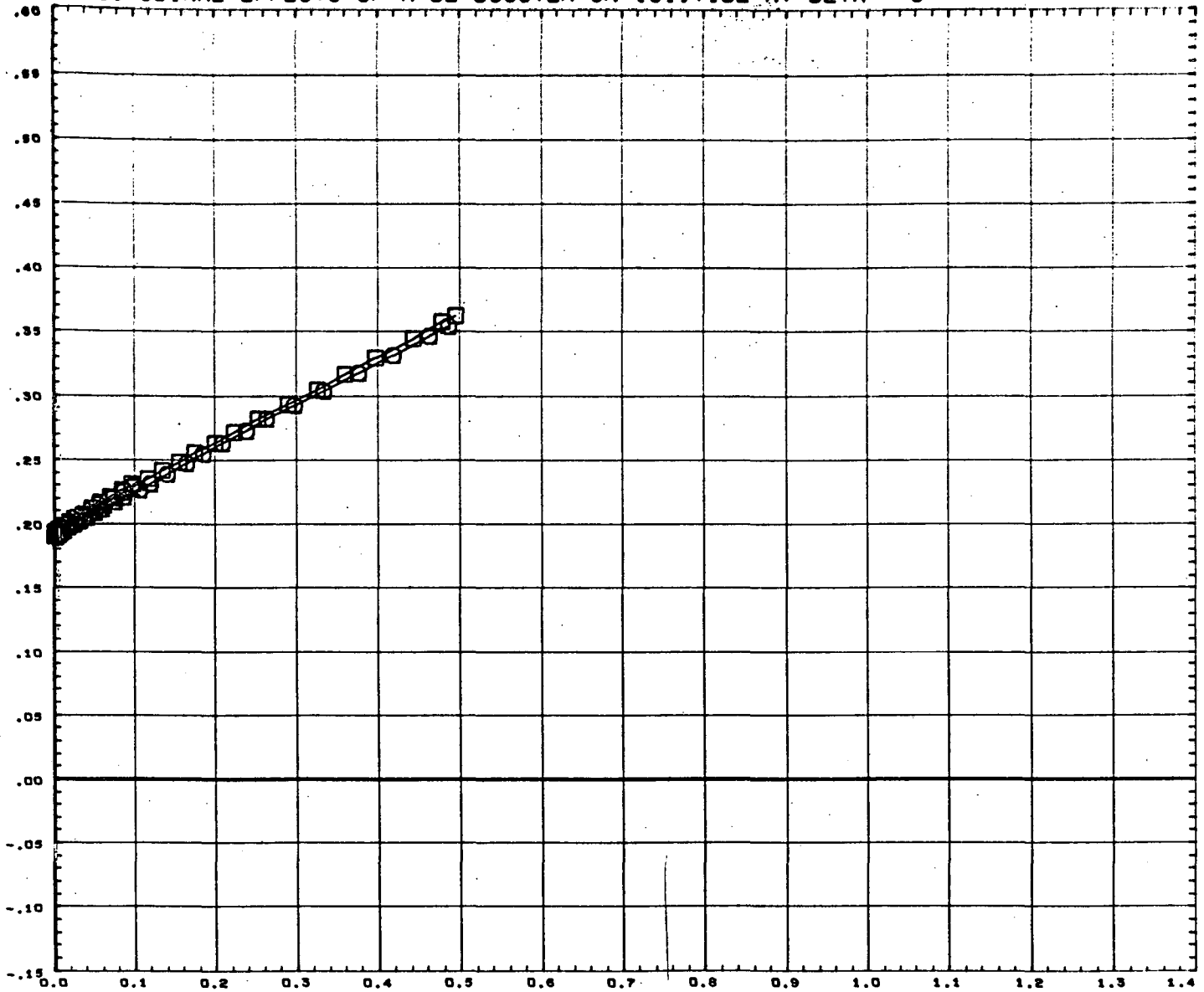
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7409)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7412)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7413)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(CD7515)	MDAC S-222 COMPOSITE(T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMRF	957.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH 1.08

PAGE 288

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQ

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7409)	○	MDAC S-222 COMPOSITE (T-CG) (01)T1B2
(CD7412)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS
(CD7413)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS
(CD7515)	□	MDAC S-222 COMPOSITE (T-CG) 01T1B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
6.000	0.000	0.000	0.000	BREF	882.0004 IN.
6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

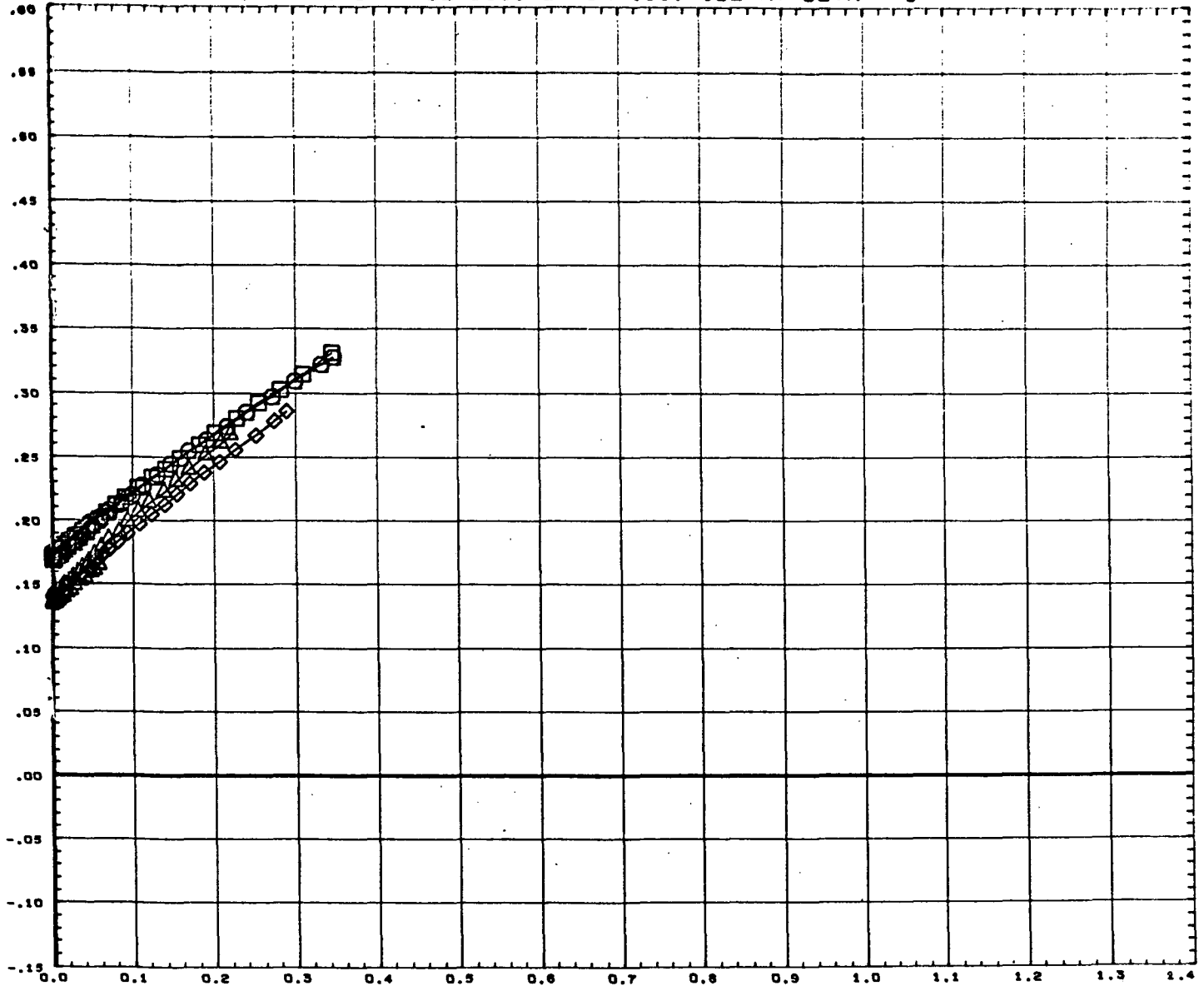
MACH

1.51

PAGE 289

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQR

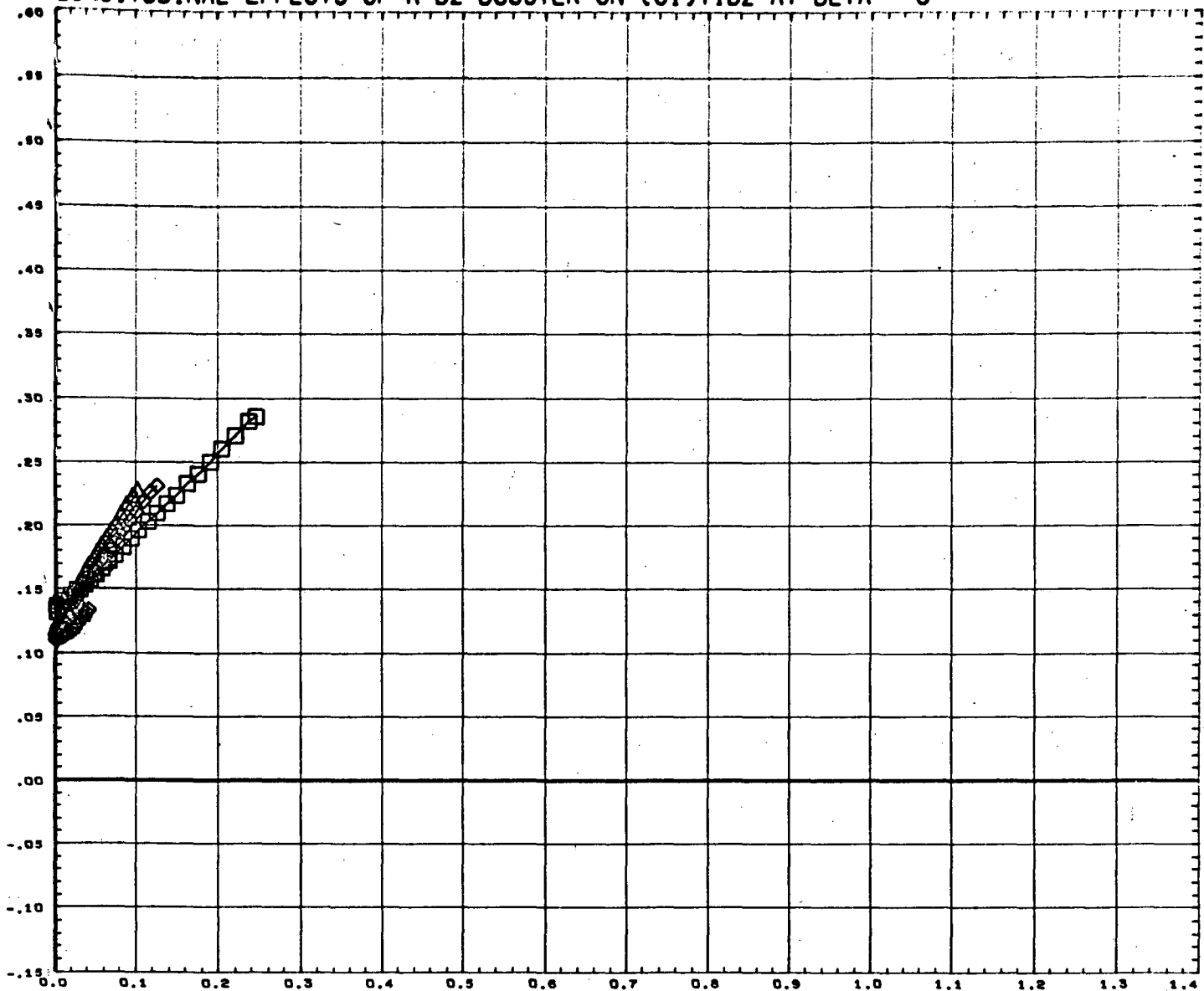
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7409)	MDAC S-222 COMPOSITE(T-CG) (01) T1B2	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7412)	MDAC S-222 COMPOSITE(T-CG) (01) T1B2L(B2R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7413)	MDAC S-222 COMPOSITE(T-CG) (01) T1(B2L)B2R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(CD7515)	MDAC S-222 COMPOSITE(T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 290

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQR

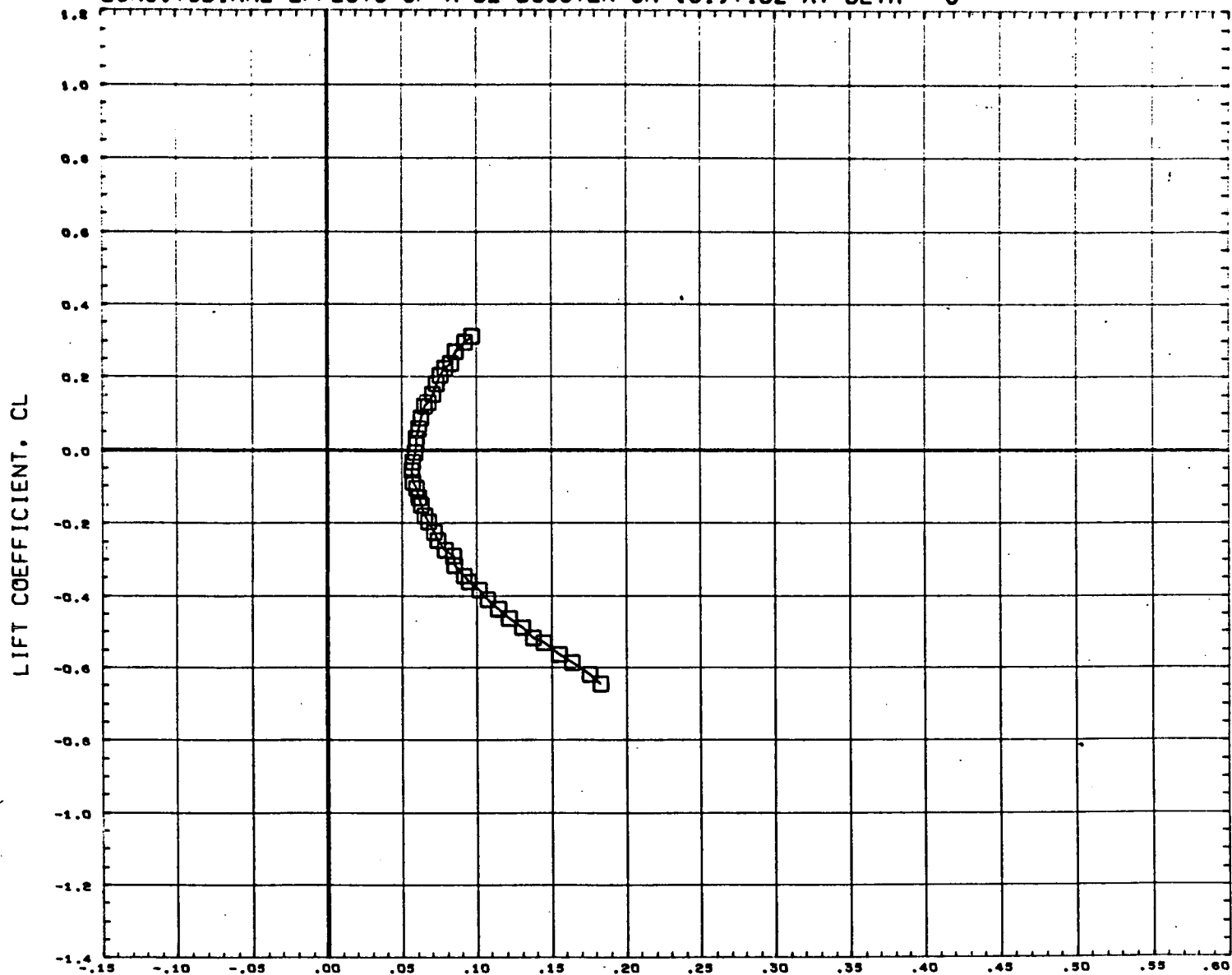
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7409)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7412)	MDAC S-222 COMPOSITE (T-CG) (01) T1B2L (B2R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7413)	MDAC S-222 COMPOSITE (T-CG) (01) T1 (B2L) B2R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(CD7515)	MDAC S-222 COMPOSITE (T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH

4.47

PAGE 291

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6



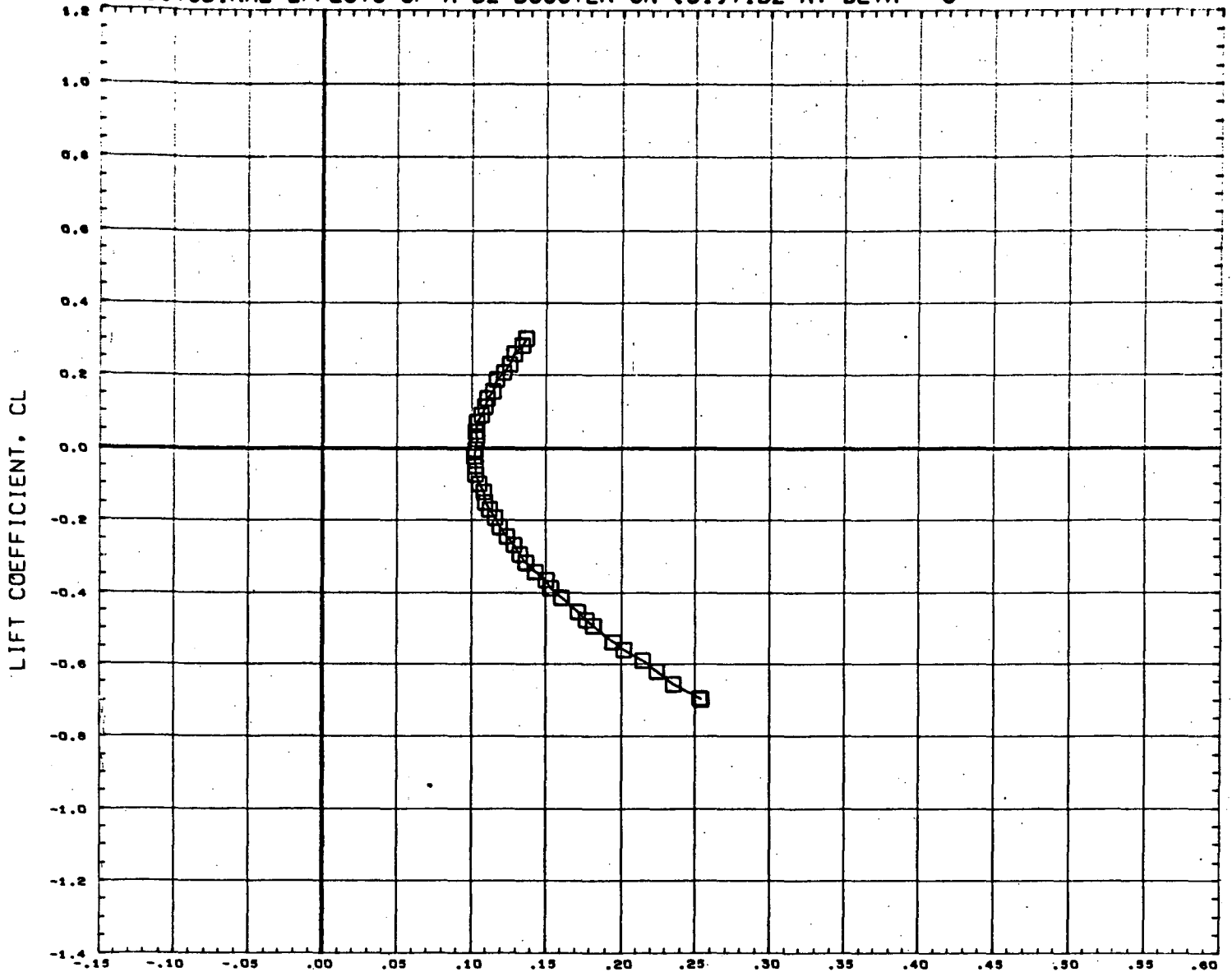
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7409)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(CD7412)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(CD7413)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(CD7515)	MDAC S-222 COMPOSITE (T-CG) 01T1B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
6.000	0.000	0.000	0.000	BREF	882.0004 IN.
6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .58

PAGE 292

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6



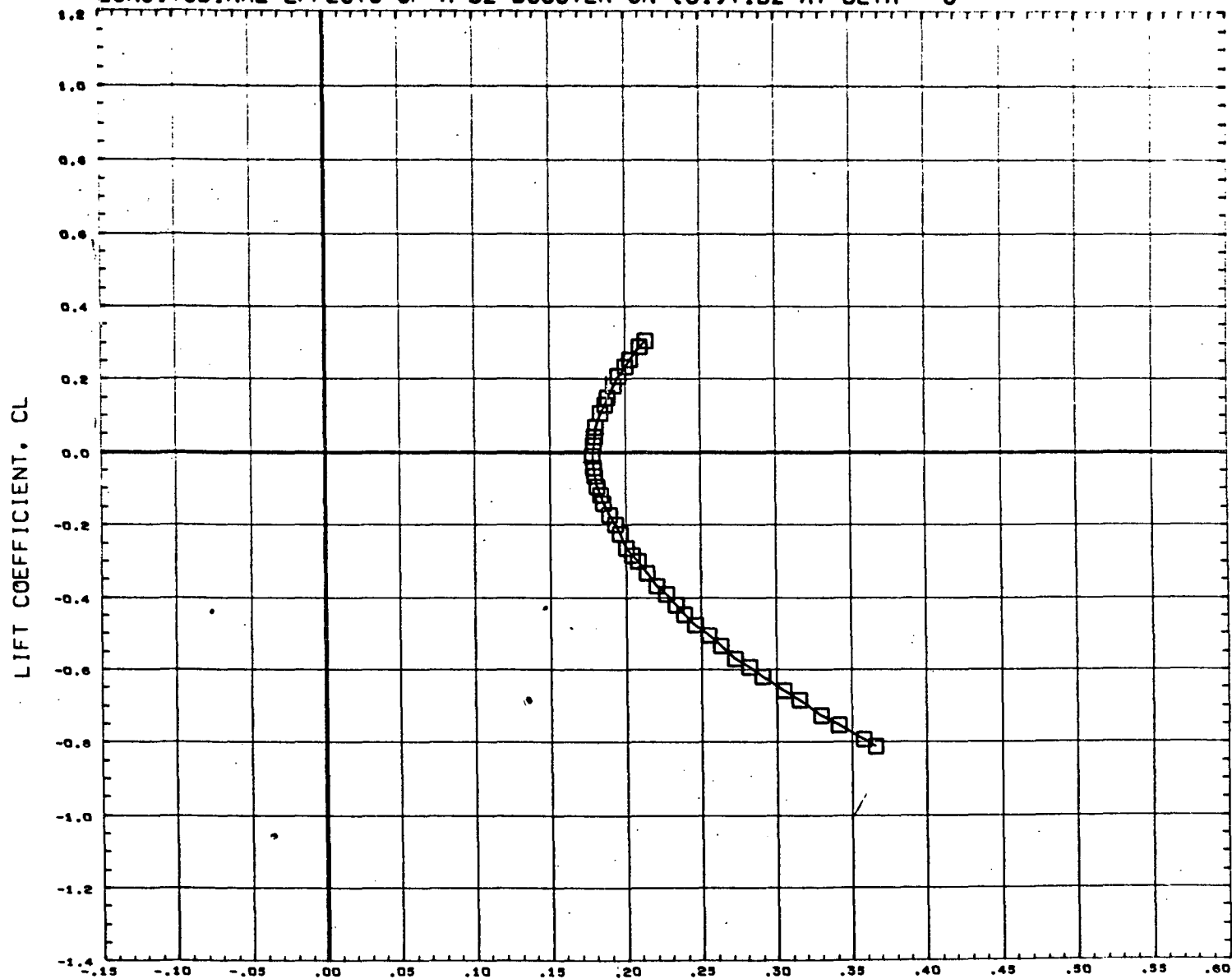
FOREBODY DRAG COEFFICIENT, CDF

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7409)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7412)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7413)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(CD7515)	MDAC S-222 COMPOSITE (T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .88

PAGE 293

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6



FOREBODY DRAG COEFFICIENT, CDF

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7409) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7412) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7413) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7515) MDAC S-222 COMPOSITE (T-CG) 01T1B2

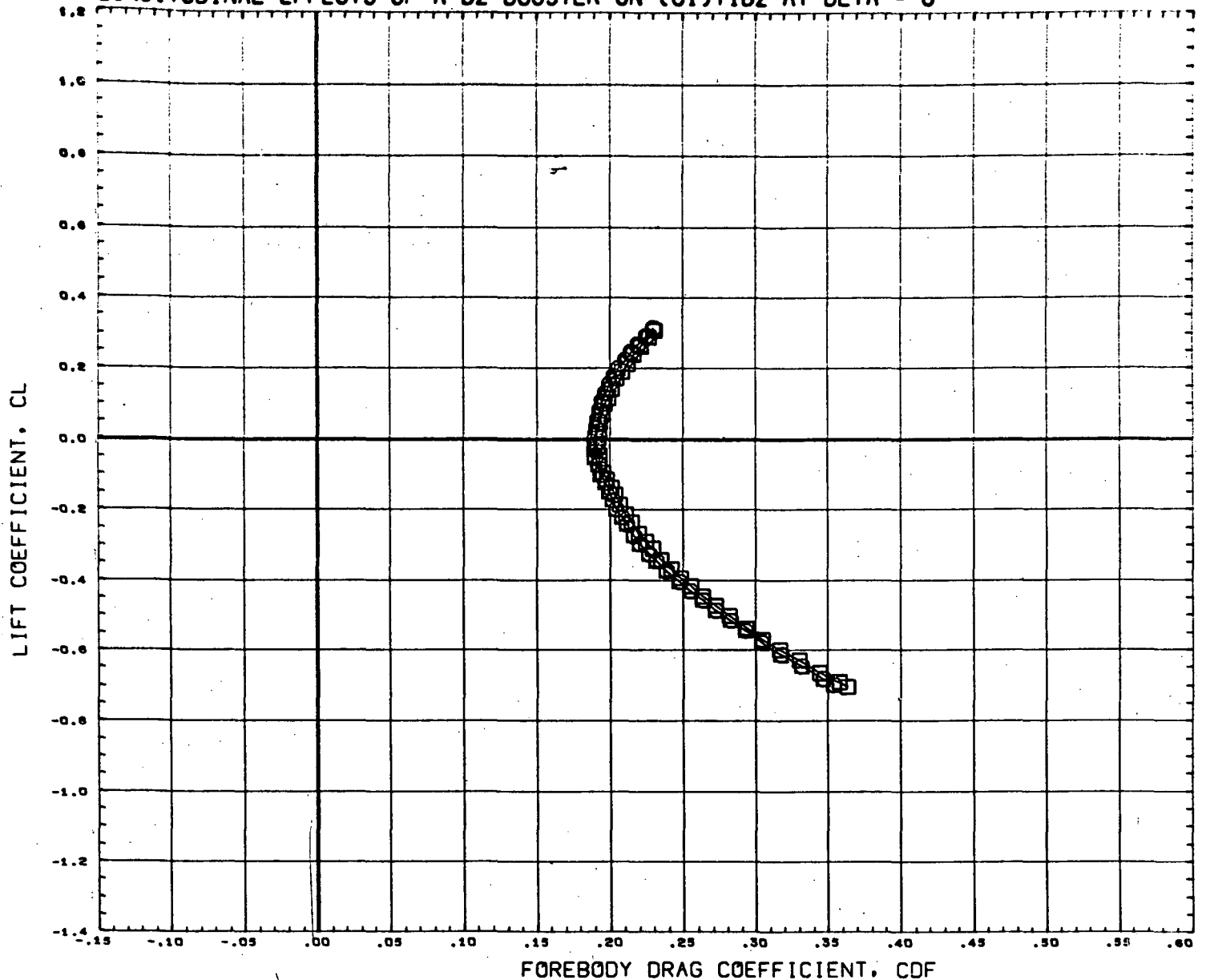
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
6.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004	IN.
6.000	0.000	0.000	0.000	BREF	882.0004	IN.
6.000	0.000	0.000	0.000	XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH 1.08

PAGE 294



# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7409) MDAC S-222 COMPOSITE (T-CG) (01)T1B2  
 (CD7412) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7413) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7515) MDAC S-222 COMPOSITE (T-CG) 01T1B2

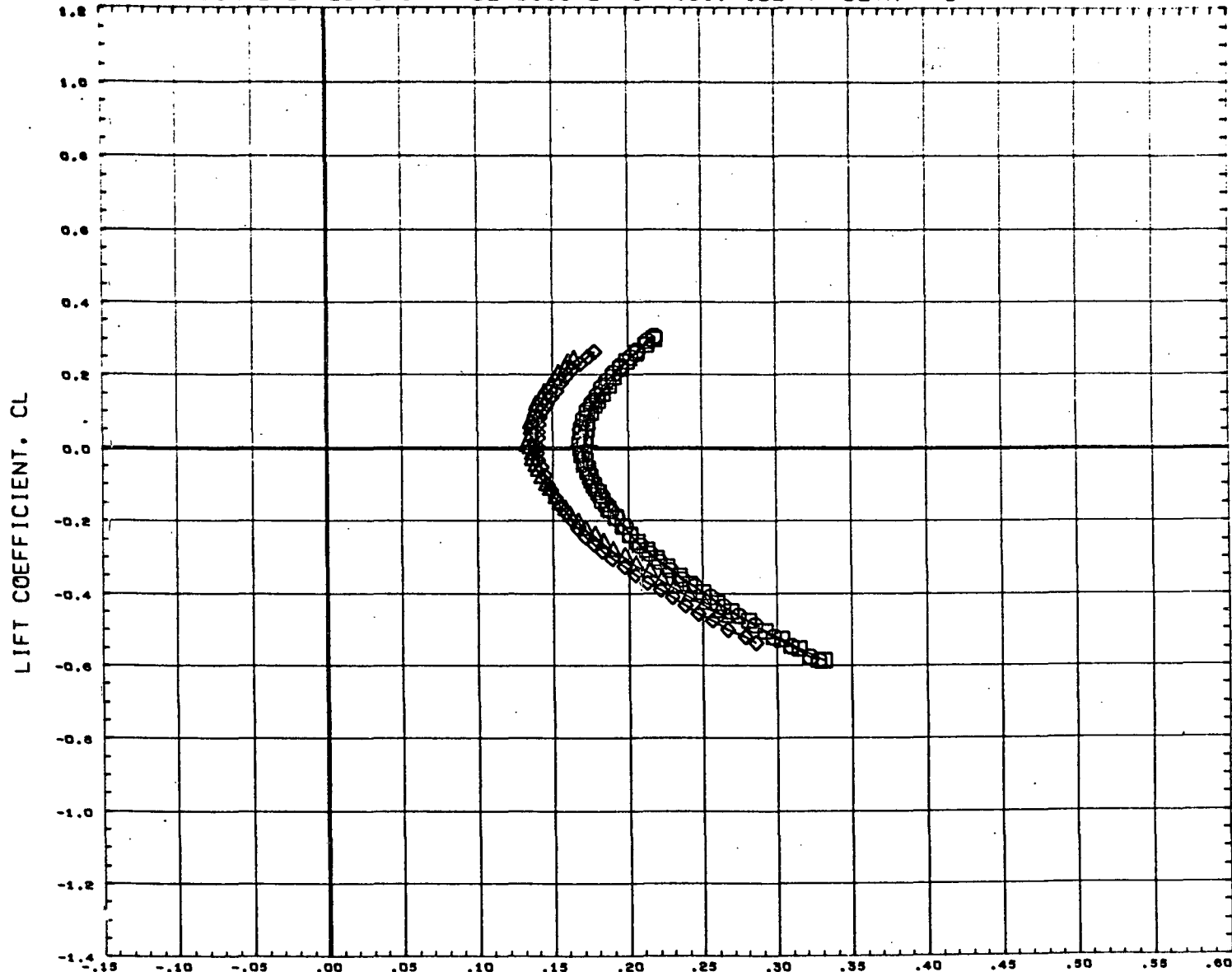
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
6.000	0.000	0.000	0.000	BRF	882.0004 IN.
6.000	0.000	0.000	0.000	XMHP	557.0004 IN.
				YMHP	0.0000 IN.
				ZMHP	200.0004 IN.
				SCALE	0.0060

MACH

1.51

PAGE 295

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T1B2 AT BETA = 6



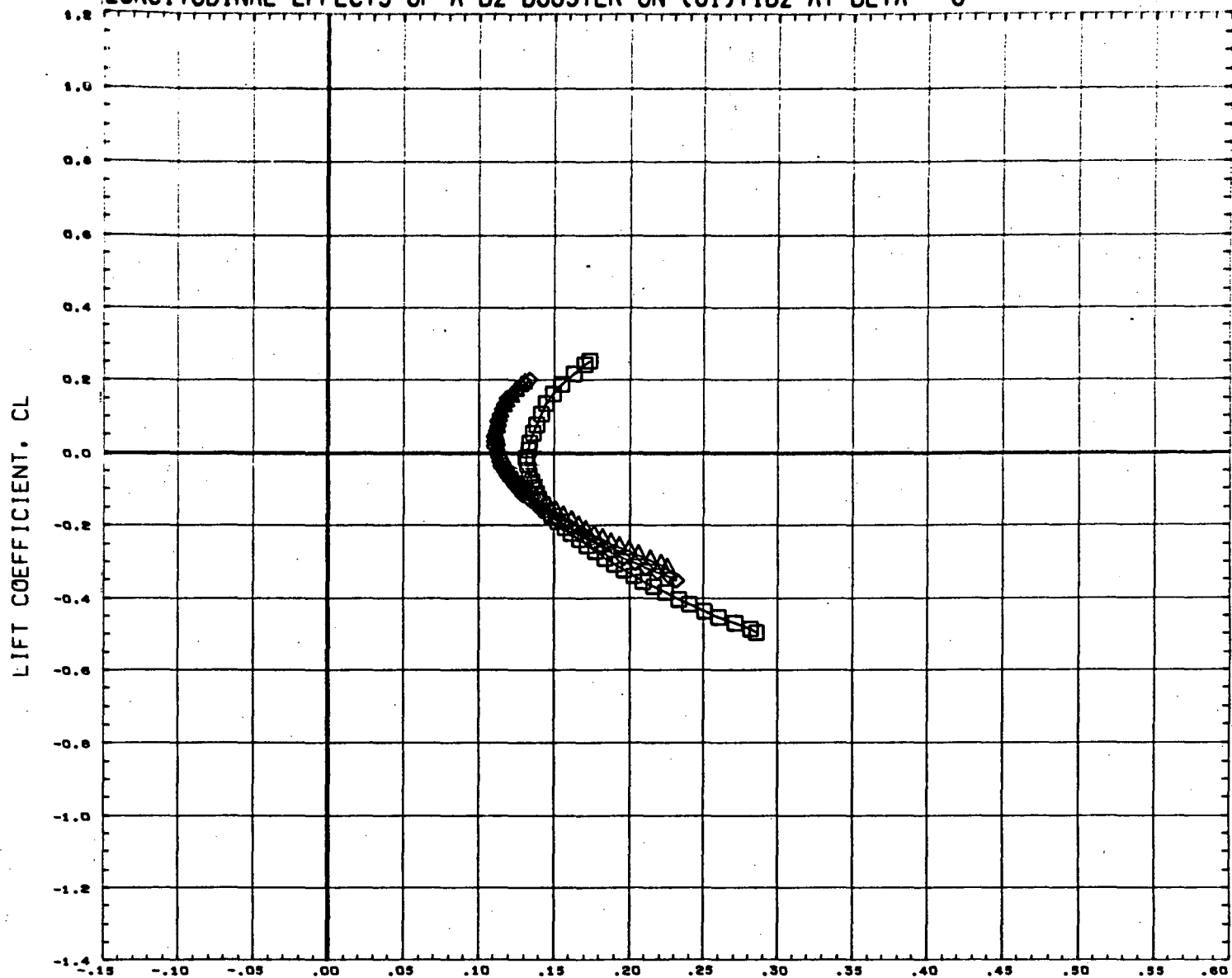
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7409)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B2	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7412)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B2L (B2R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7413)	MDAC S-222 COMPOSITE (T-CG) (O1)T1 (B2L)B2R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(CD7515)	MDAC S-222 COMPOSITE (T-CG) O1T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH

2.20

PAGE 296

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T1B2 AT BETA = 6



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7409) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7412) MDAC S-222 COMPOSITE (T-CG) (O1) T1B2L (B2R)  
 (CD7413) MDAC S-222 COMPOSITE (T-CG) (O1) T1 (B2L) B2R  
 (CD7515) MDAC S-222 COMPOSITE (T-CG) O1T1B2

BETA ELEVTR AILRON RUDDER  
 6.000 0.000 0.000 0.000  
 6.000 0.000 0.000 0.000  
 6.000 0.000 0.000 0.000  
 6.000 0.000 0.000 0.000

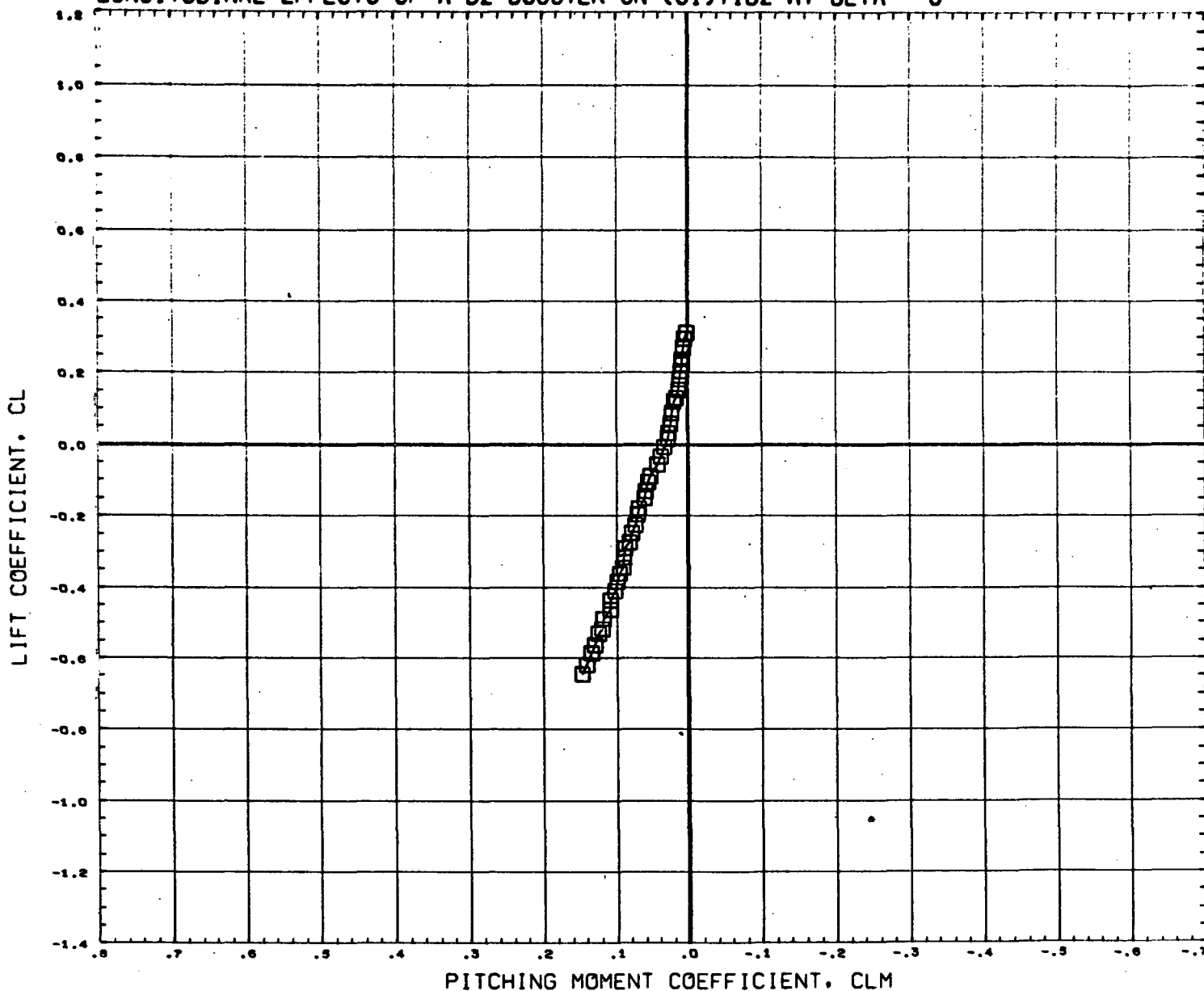
REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH

4.47

PAGE 297

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6

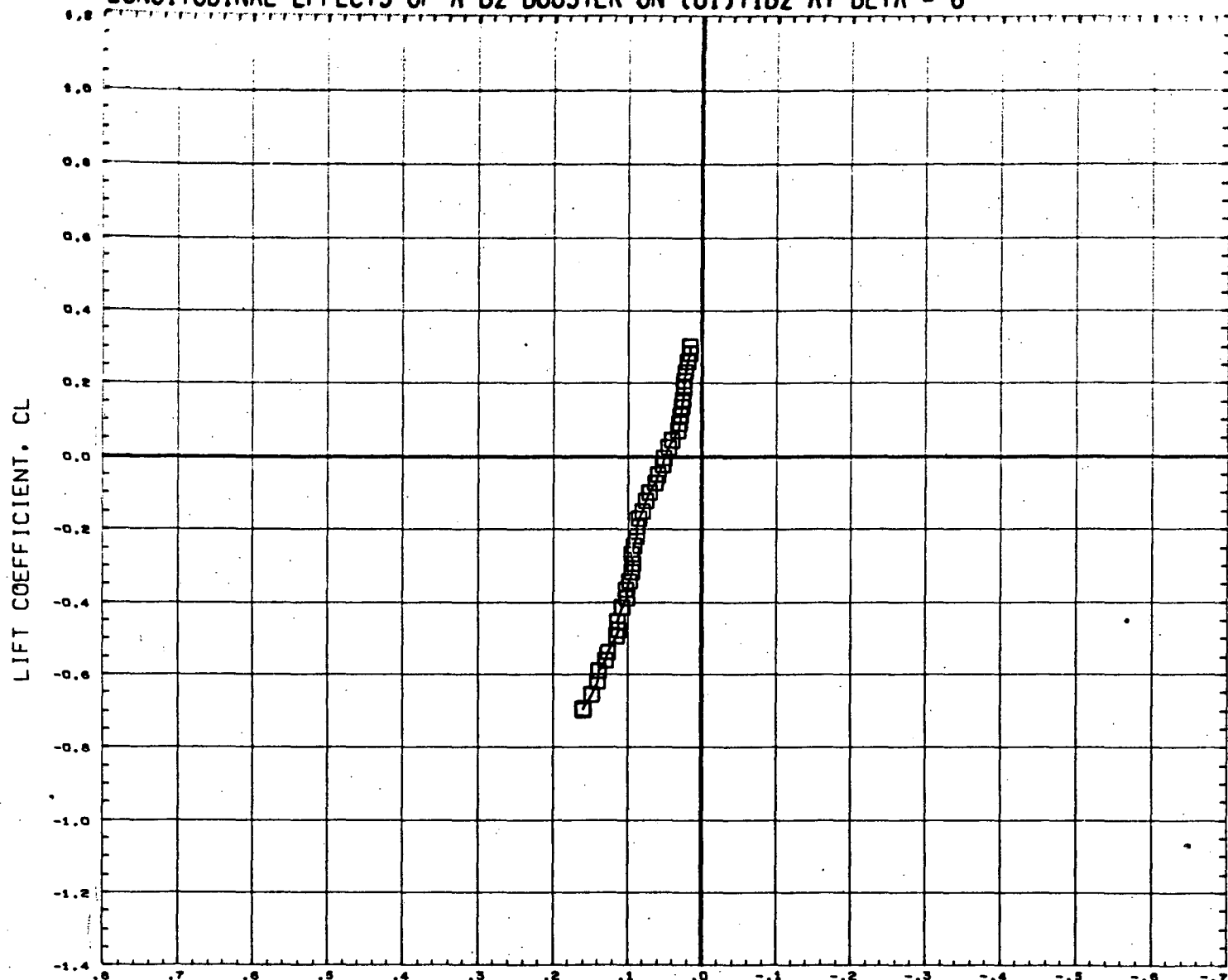


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7409)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7412)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7413)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BREF	862.0004 IN.
(CD7515)	MDAC S-222 COMPOSITE (T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .58

PAGE 298

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6



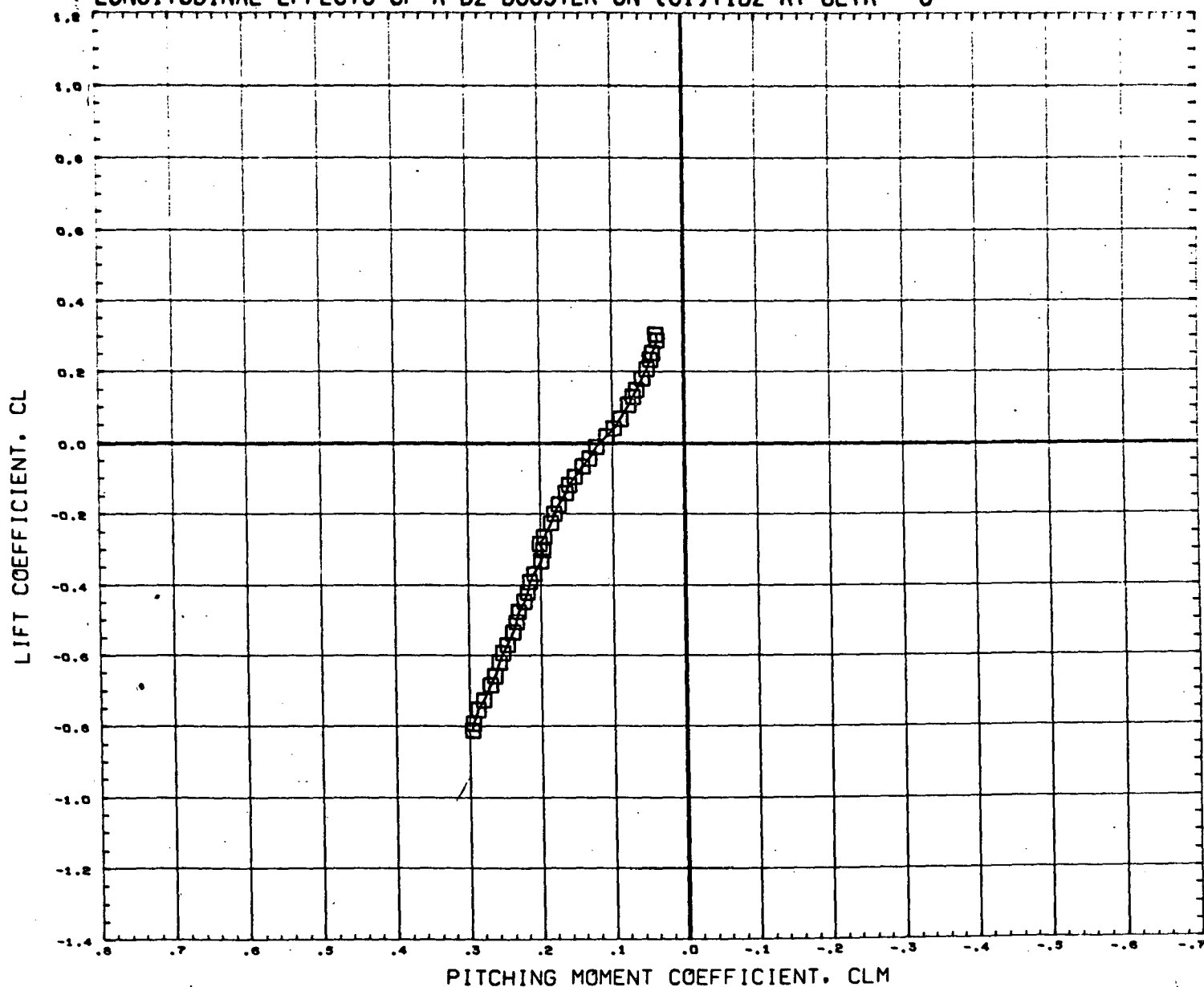
PITCHING MOMENT COEFFICIENT, CLM

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7409)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7412)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7413)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(CD7515)	MDAC S-222 COMPOSITE(T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .88

PAGE 299

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6

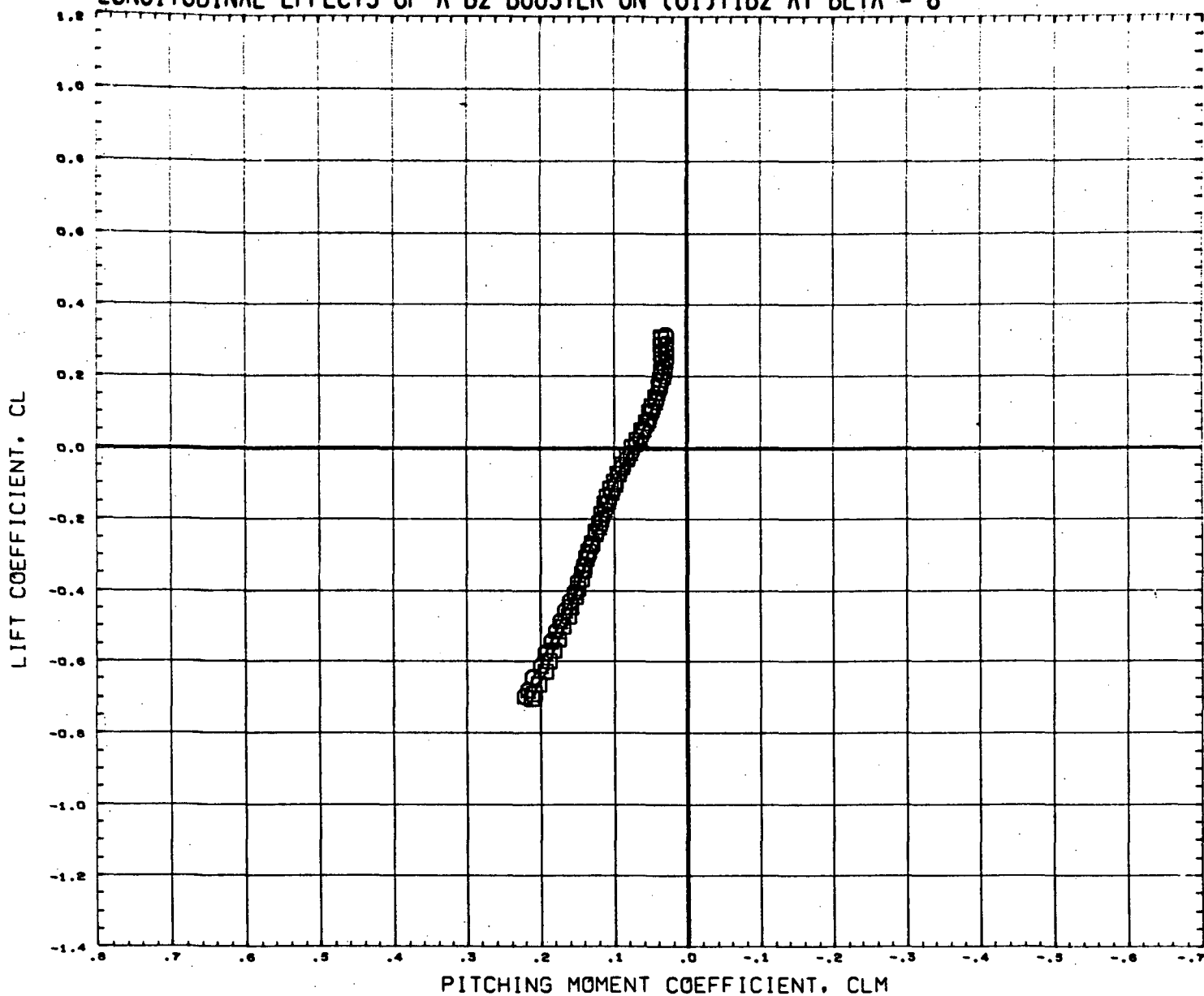


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7409)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7412)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.3004 IN.
(CD7413)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(CD7515)	MDAC S-222 COMPOSITE(T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.08

PAGE 300

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6



DATA SET SYMBOL CONFIGURATION DESCRIPTION

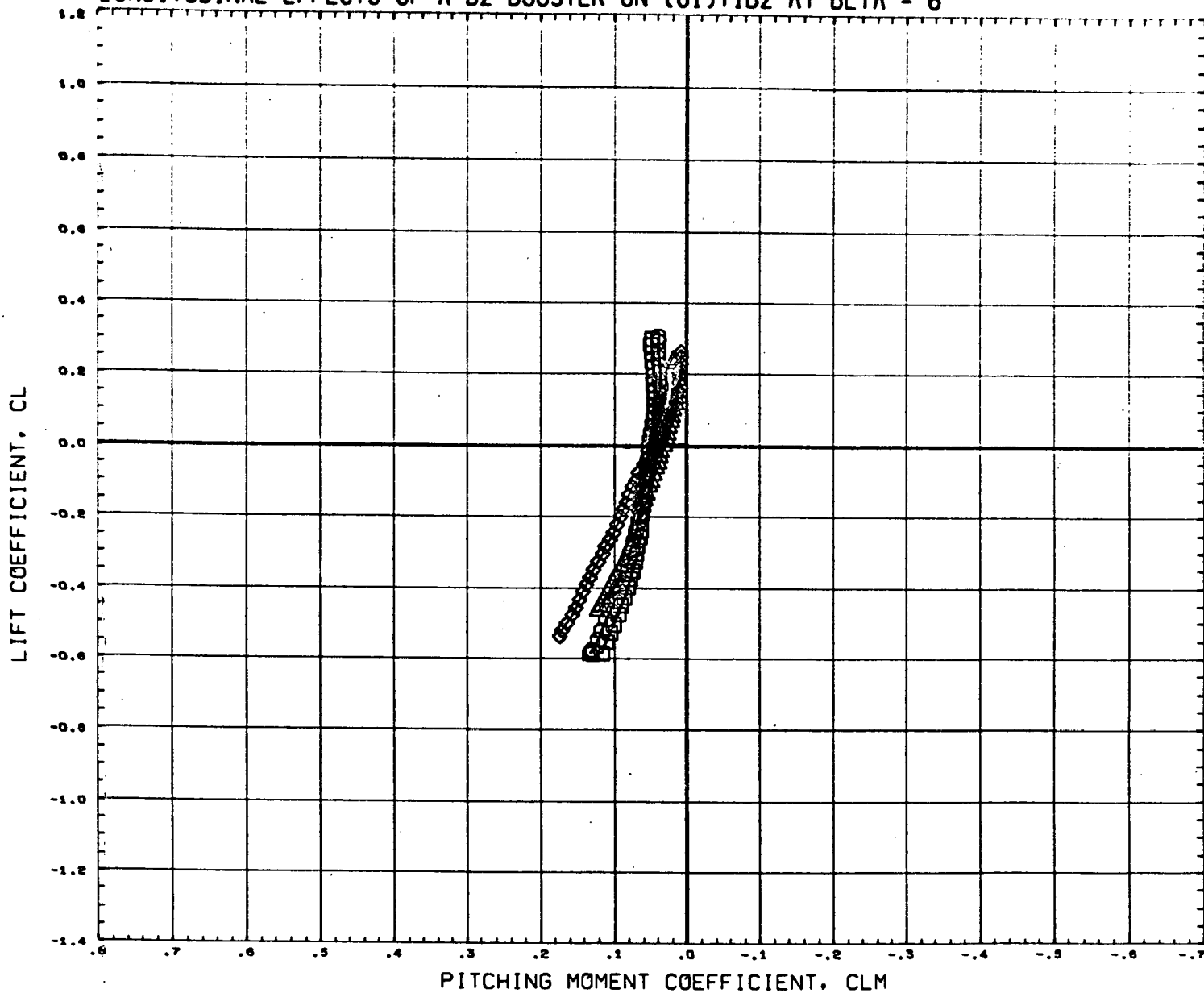
(CD7409) MDAC S-222 COMPOSITE (T-CG) (01)T1B2  
 (CD7412) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7413) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7515) MDAC S-222 COMPOSITE (T-CG) 01T1B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.3004 IN.
6.000	0.000	0.000	0.000	BREF	662.0004 IN.
6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 301

# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6



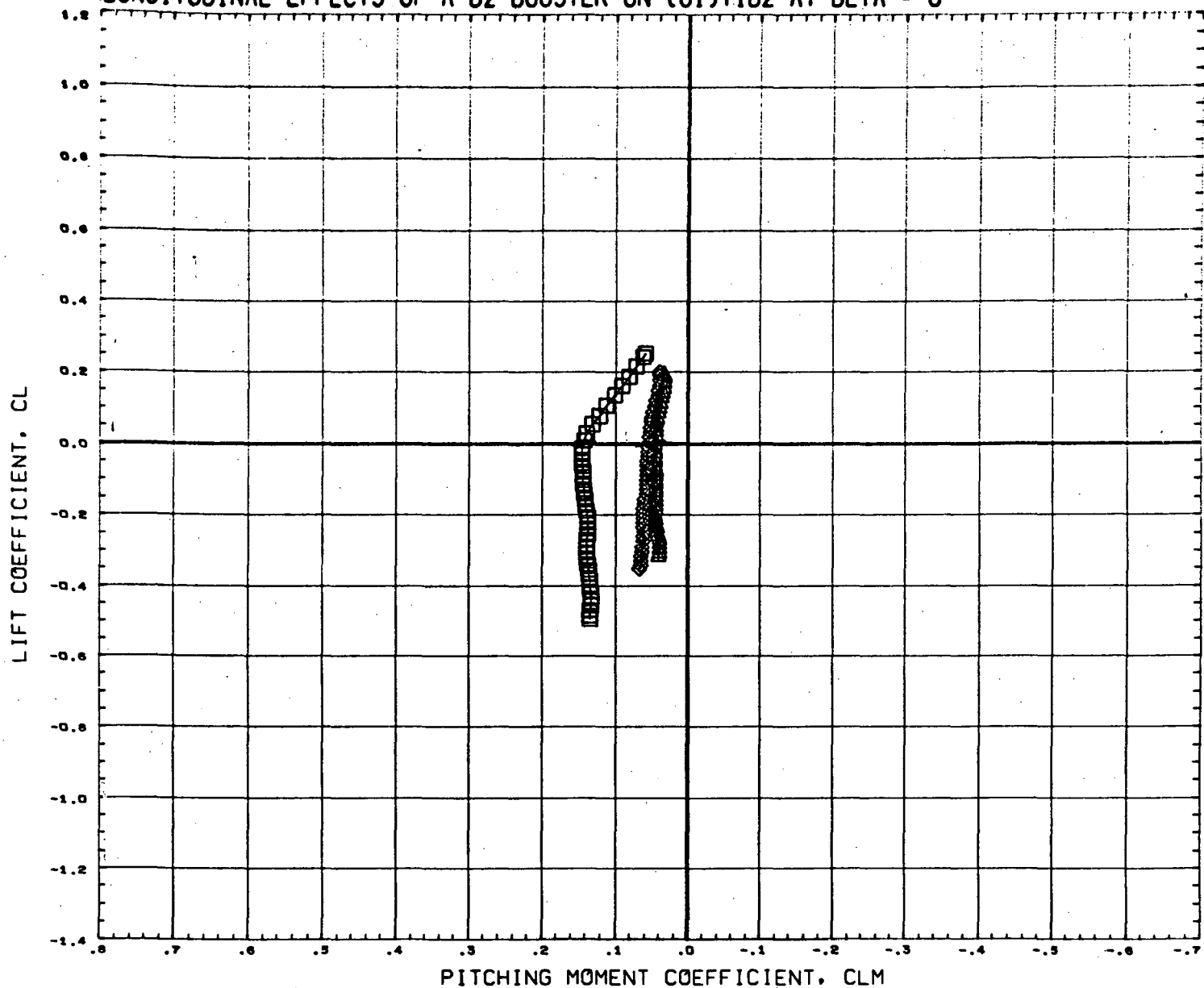
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07409)	MDAC S-222 COMPOSITE(T-CG) (01) T1B2	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07412)	MDAC S-222 COMPOSITE(T-CG) (01) T1B2L (B2R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(C07413)	MDAC S-222 COMPOSITE(T-CG) (01) T1 (B2L) B2R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(C07515)	MDAC S-222 COMPOSITE(T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 302



# LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6



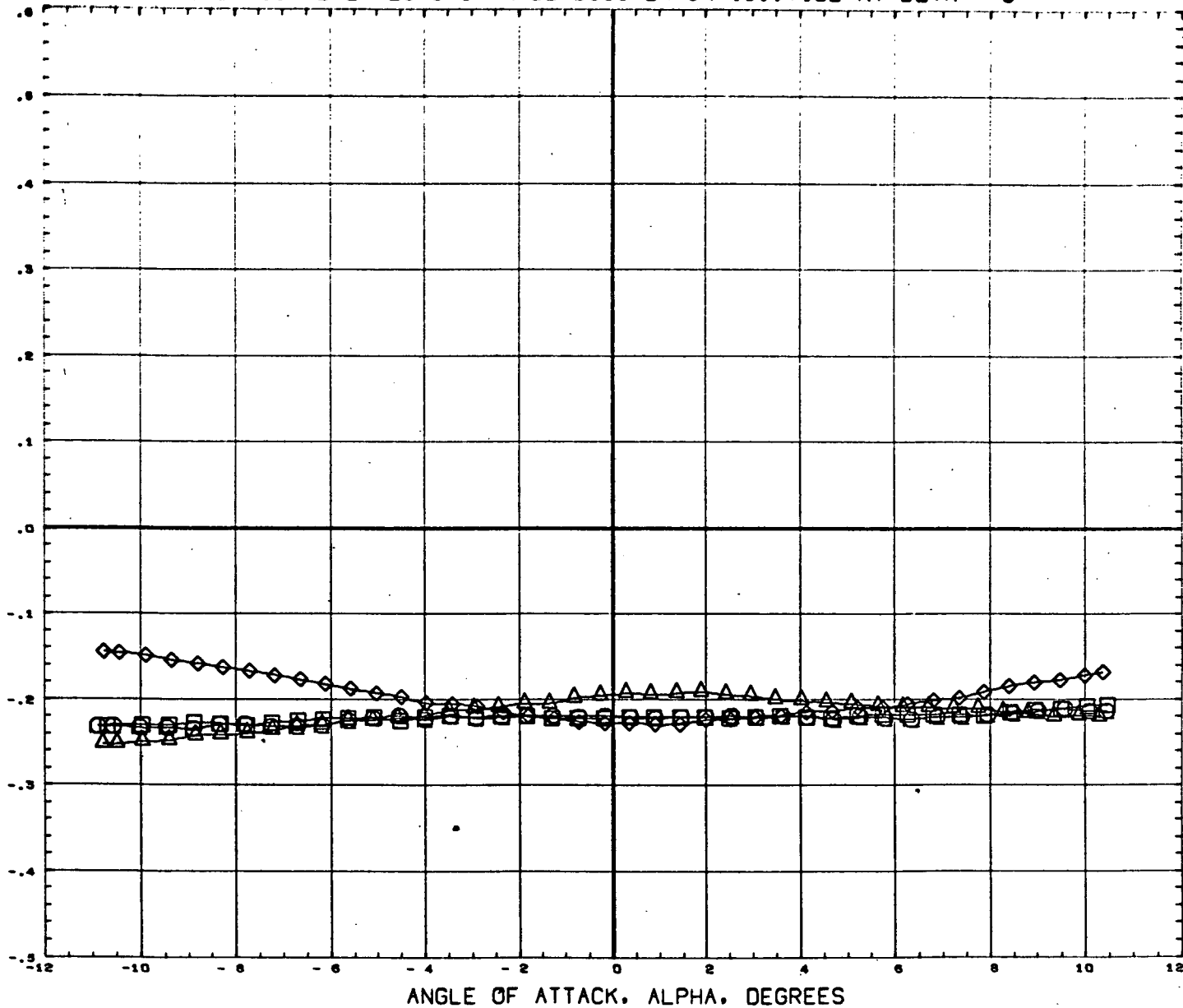
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7409)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7412)	MDAC S-222 COMPOSITE (T-CG) (01)T1B2L (B2R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7413)	MDAC S-222 COMPOSITE (T-CG) (01)T1 (B2L)B2R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(CD7515)	MDAC S-222 COMPOSITE (T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 303

# LATERAL-DIRECTIONAL EFFECTS OF A B2 BOOSTER ON (O1)T1B2 AT BETA = 6

LATERAL FORCE COEFFICIENT, CY

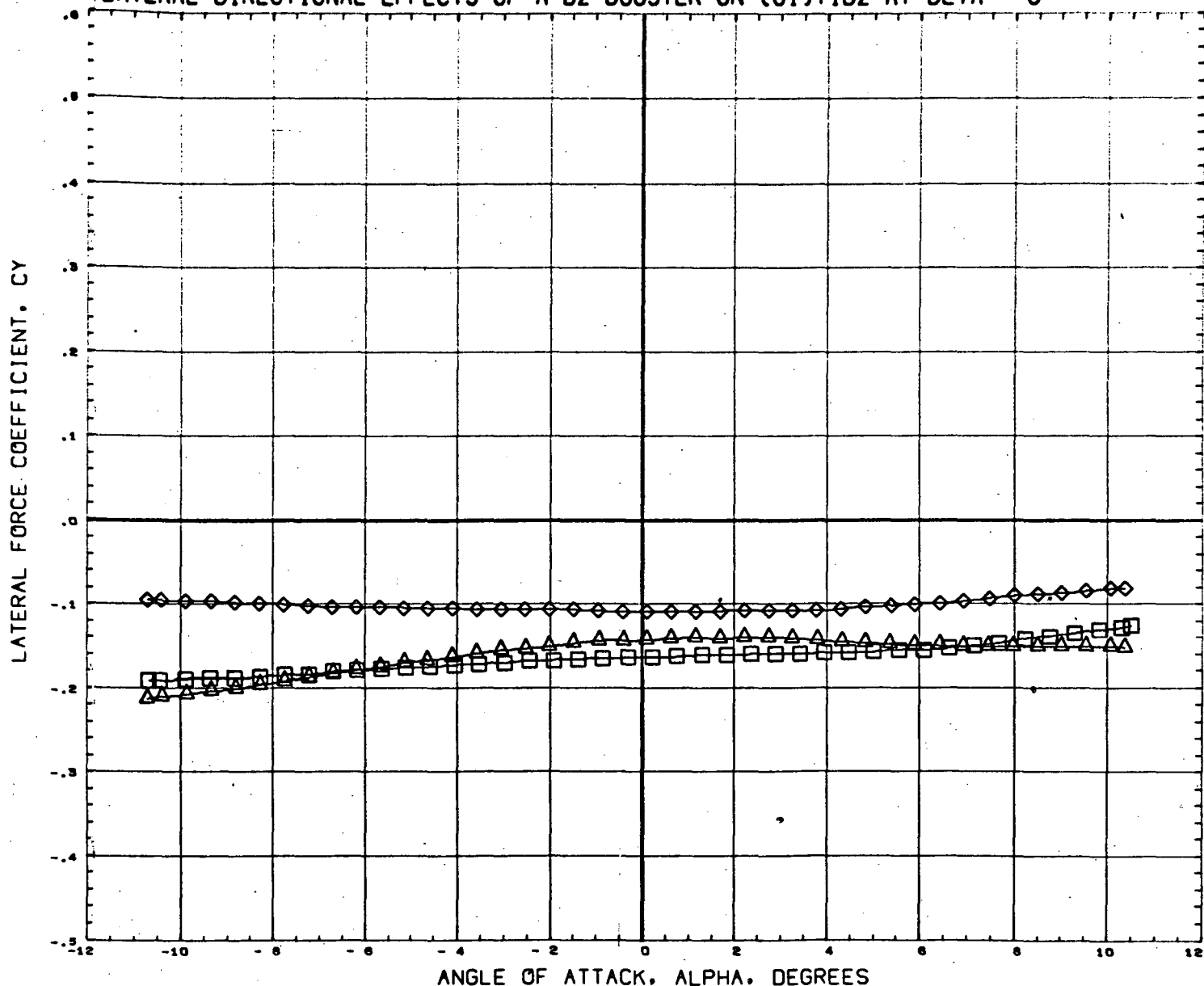


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7409)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B2	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7412)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B2L(B2R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7413)	MDAC S-222 COMPOSITE (T-CG) (O1)T1(B2L)B2R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(RD7515)	MDAC S-222 COMPOSITE (T-CG) O1T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 304

# LATERAL-DIRECTIONAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7409)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7412)	MDAC S-222 COMPOSITE (T-C6) (01) T1B2L (B2R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7413)	MDAC S-222 COMPOSITE (T-C6) (01) T1 (B2L)B2R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(RD7515)	MDAC S-222 COMPOSITE (T-C6) 01T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

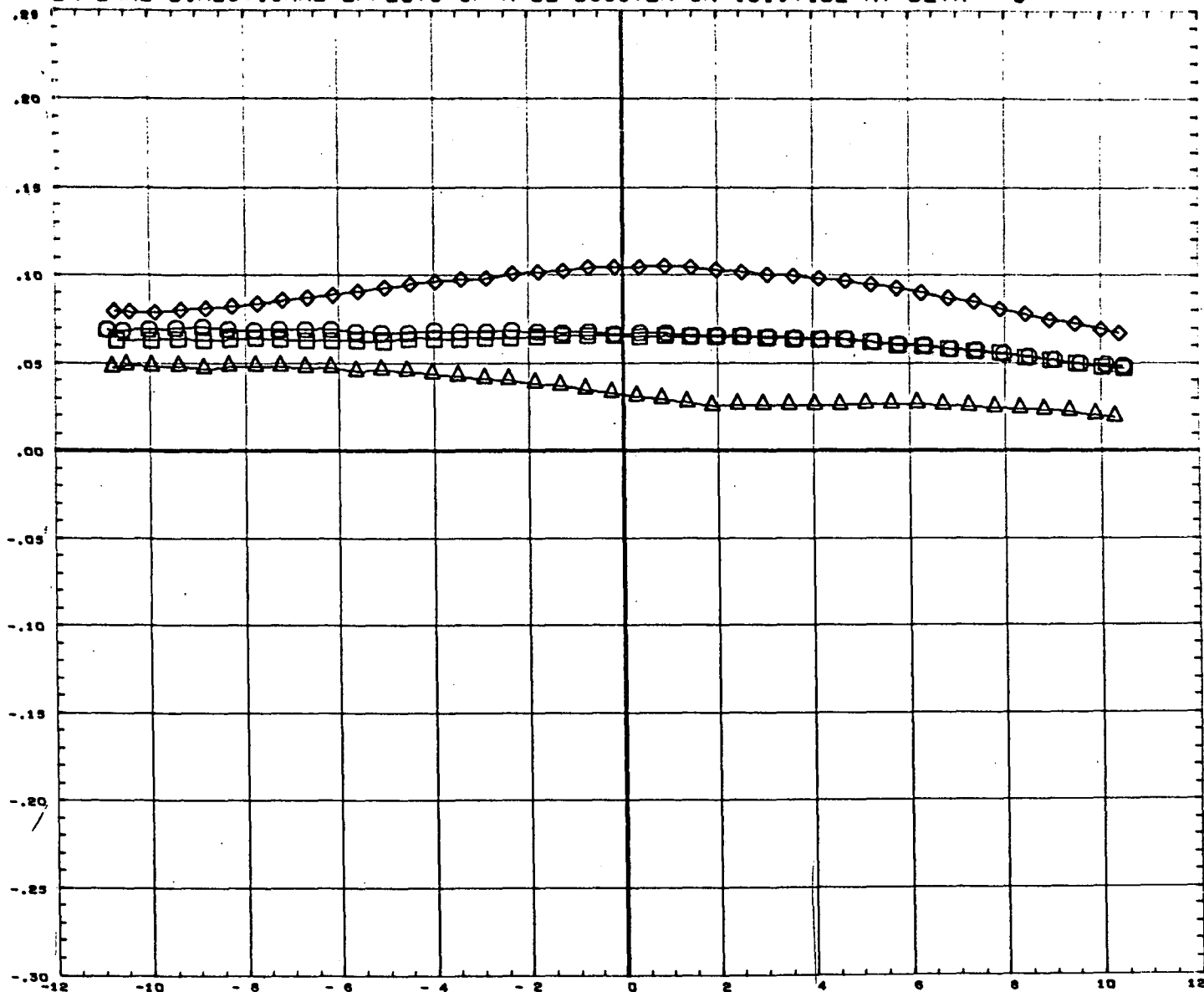
MACH

4.47

PAGE 305

# LATERAL-DIRECTIONAL EFFECTS OF A B2 BOOSTER ON (O1)T1B2 AT BETA = 6

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

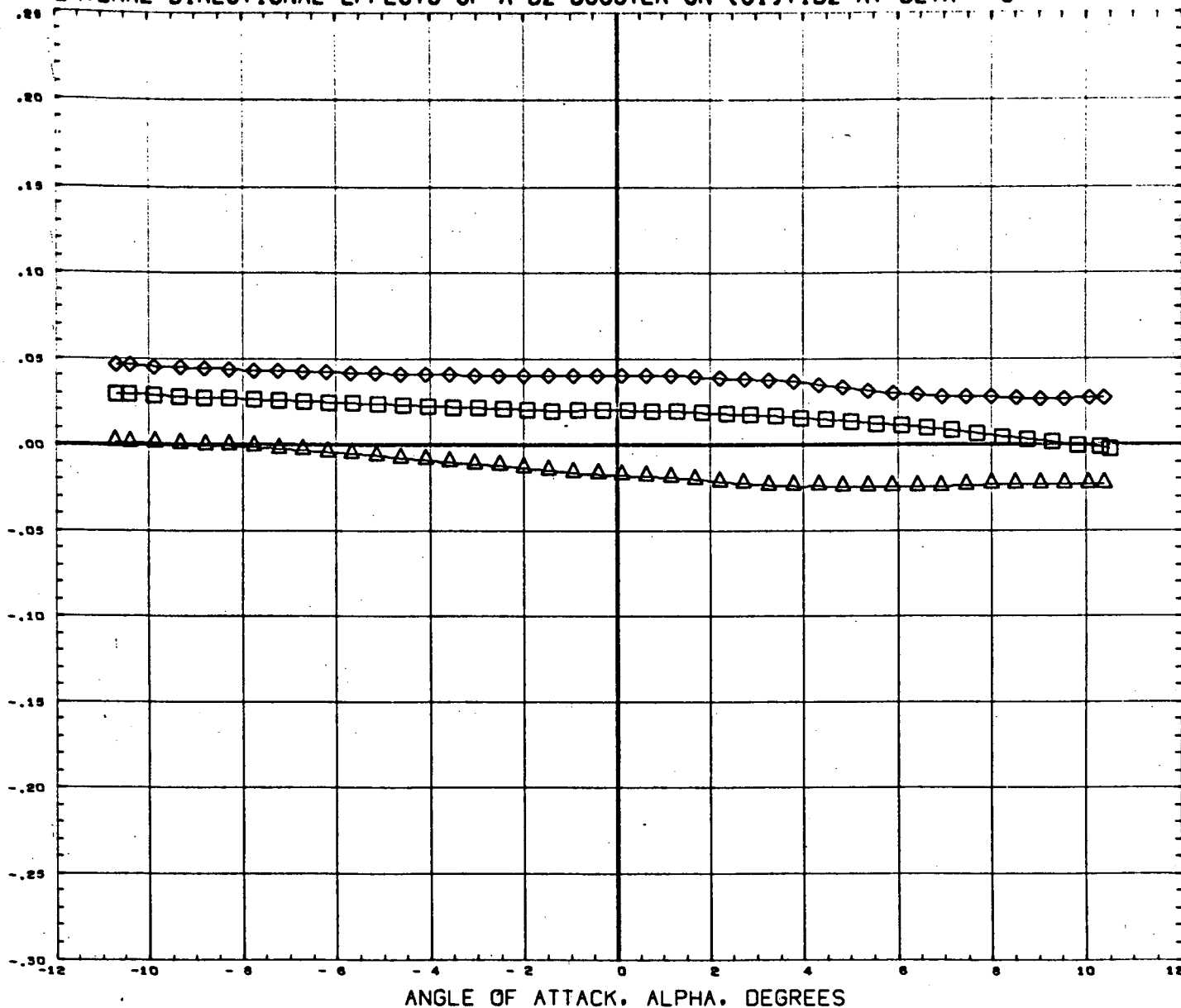
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7409)	MDAC S-222 COMPOSITE (T-CG) (O1) T1B2	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7412)	MDAC S-222 COMPOSITE (T-CG) (O1) T1B2L (B2R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7413)	MDAC S-222 COMPOSITE (T-CG) (O1) T1 (B2L) B2R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(RD7515)	MDAC S-222 COMPOSITE (T-CG) O1T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 306

# LATERAL-DIRECTIONAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7409)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7412)	MDAC S-222 COMPOSITE (T-CG) (01)T1B2L (B2R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7413)	MDAC S-222 COMPOSITE (T-CG) (01)T1 (B2L) B2R	6.000	0.000	0.000	0.000	BREF	662.0004 IN.
(RD7515)	MDAC S-222 COMPOSITE (T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

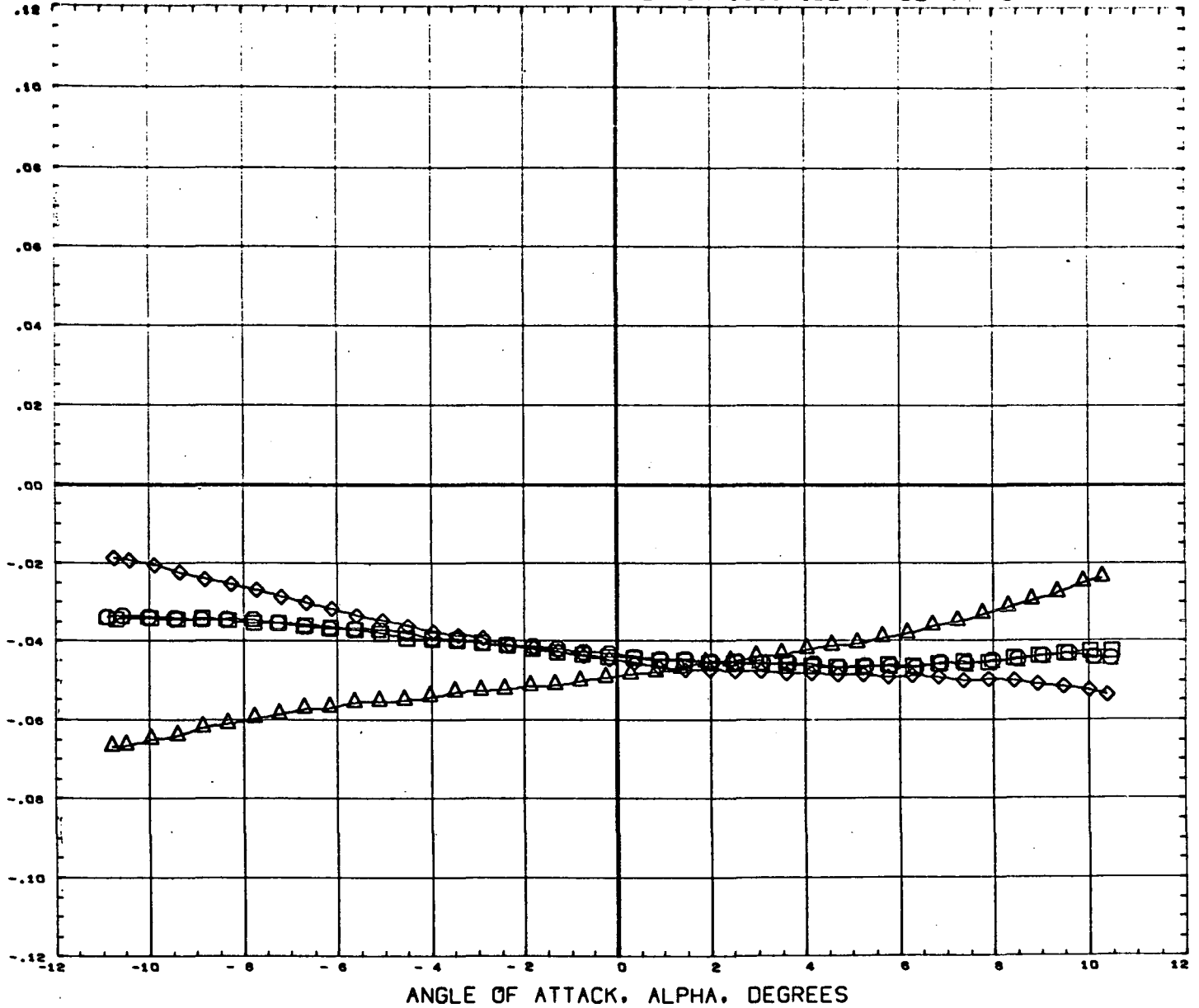
MACH

4.47

PAGE 307

# LATERAL-DIRECTIONAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



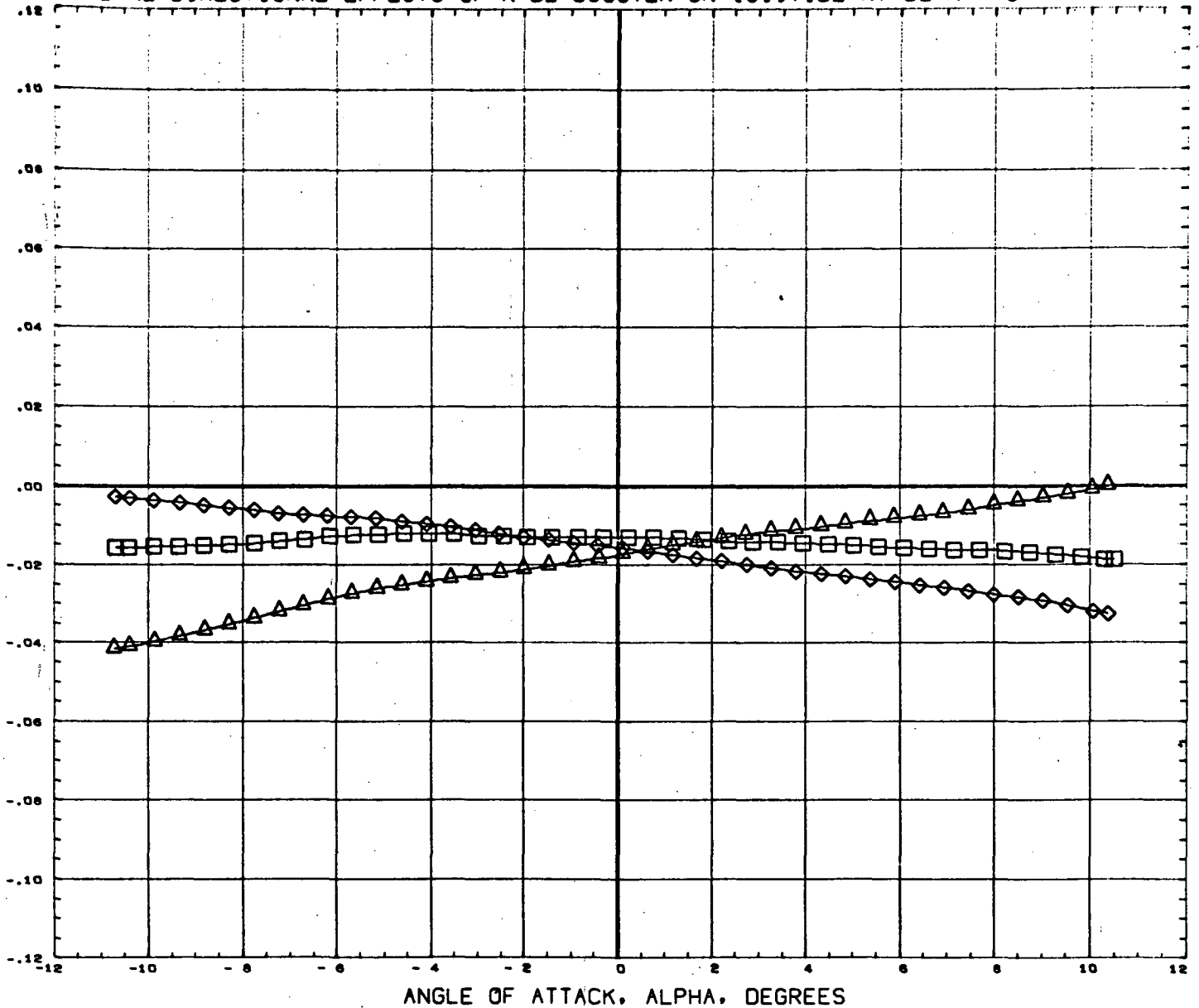
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7409)	MDAC S-222 COMPOSITE (T-CG) (01)T1B2	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7412)	MDAC S-222 COMPOSITE (T-CG) (01)T1B2L (B2R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7413)	MDAC S-222 COMPOSITE (T-CG) (01)T1 (B2L)B2R	6.000	0.000	0.000	0.000	BREF	682.0004 IN.
(RD7515)	MDAC S-222 COMPOSITE (T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 308

# LATERAL-DIRECTIONAL EFFECTS OF A B2 BOOSTER ON (01)T1B2 AT BETA = 6

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

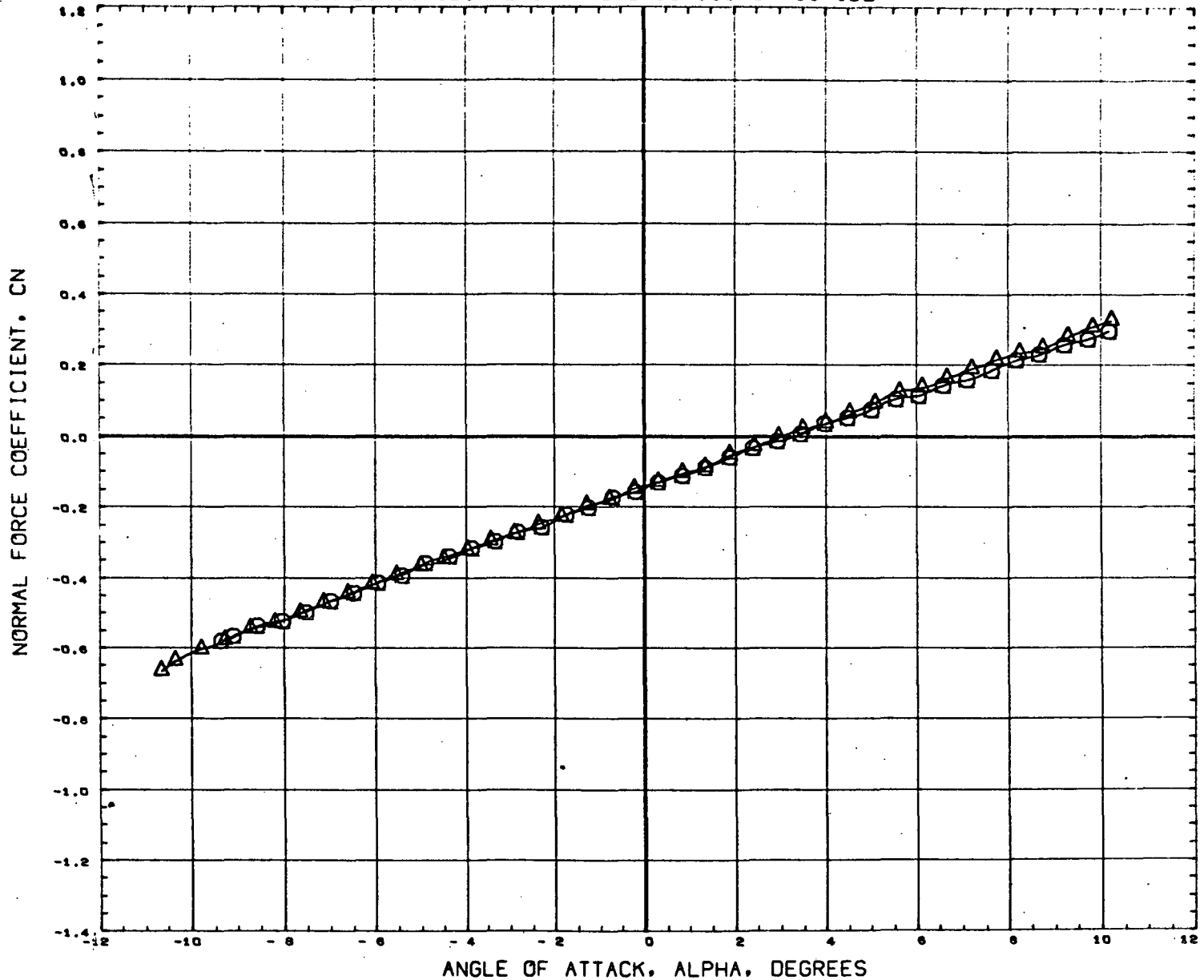
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7409)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7412)	MDAC S-222 COMPOSITE(T-CG) (01)T1B2L(B2R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7413)	MDAC S-222 COMPOSITE(T-CG) (01)T1(B2L)B2R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(RD7515)	MDAC S-222 COMPOSITE(T-CG) 01T1B2	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH

4.47

PAGE 309

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(CD7514)	○	MDAC S-222 COMPOSITE (T-CG) 01T1B2
(CD7515)	△	MDAC S-222 COMPOSITE (T-CG) 01T1B2

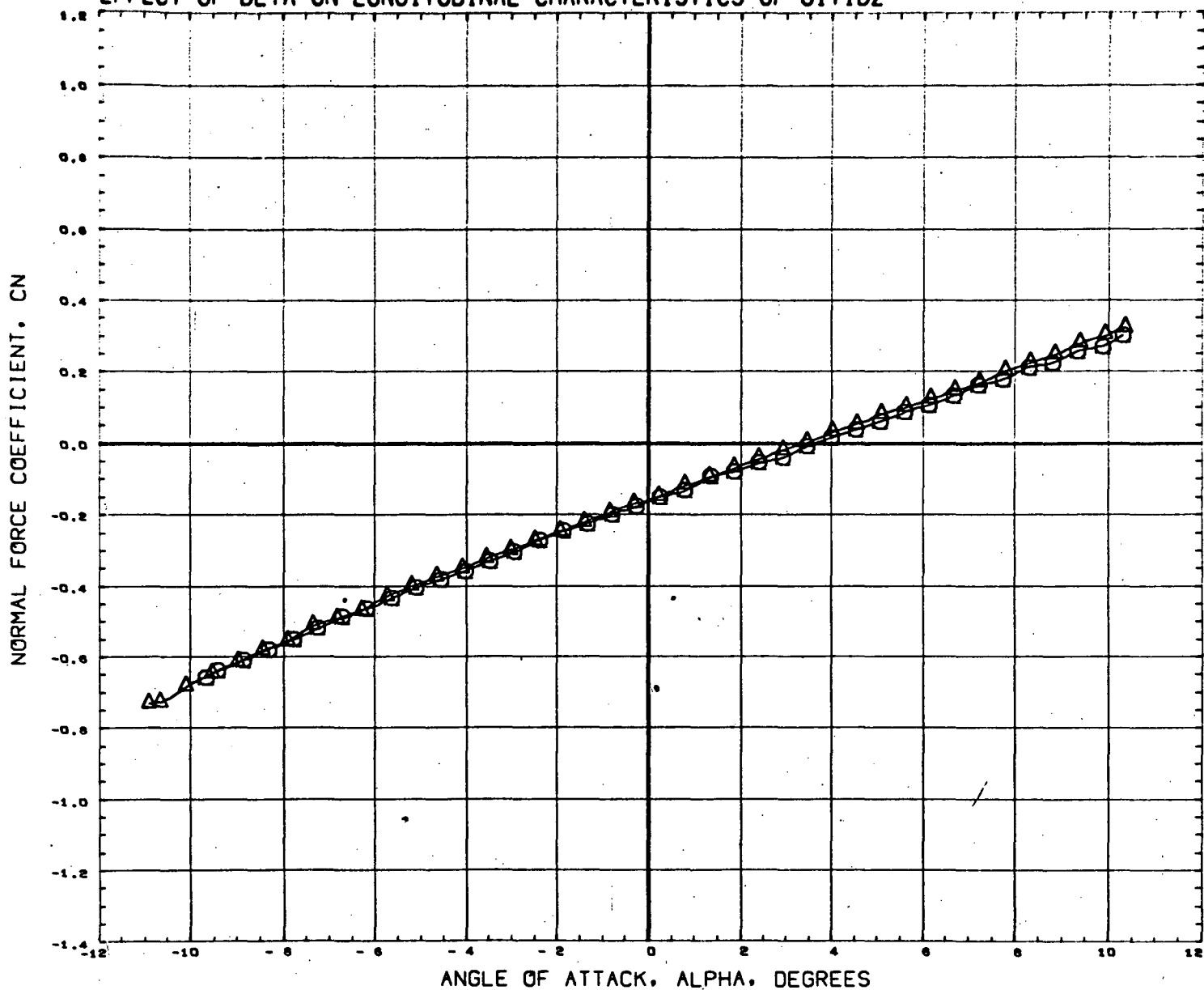
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	50. FT.
6.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	882.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH .56

PAGE 310



# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2



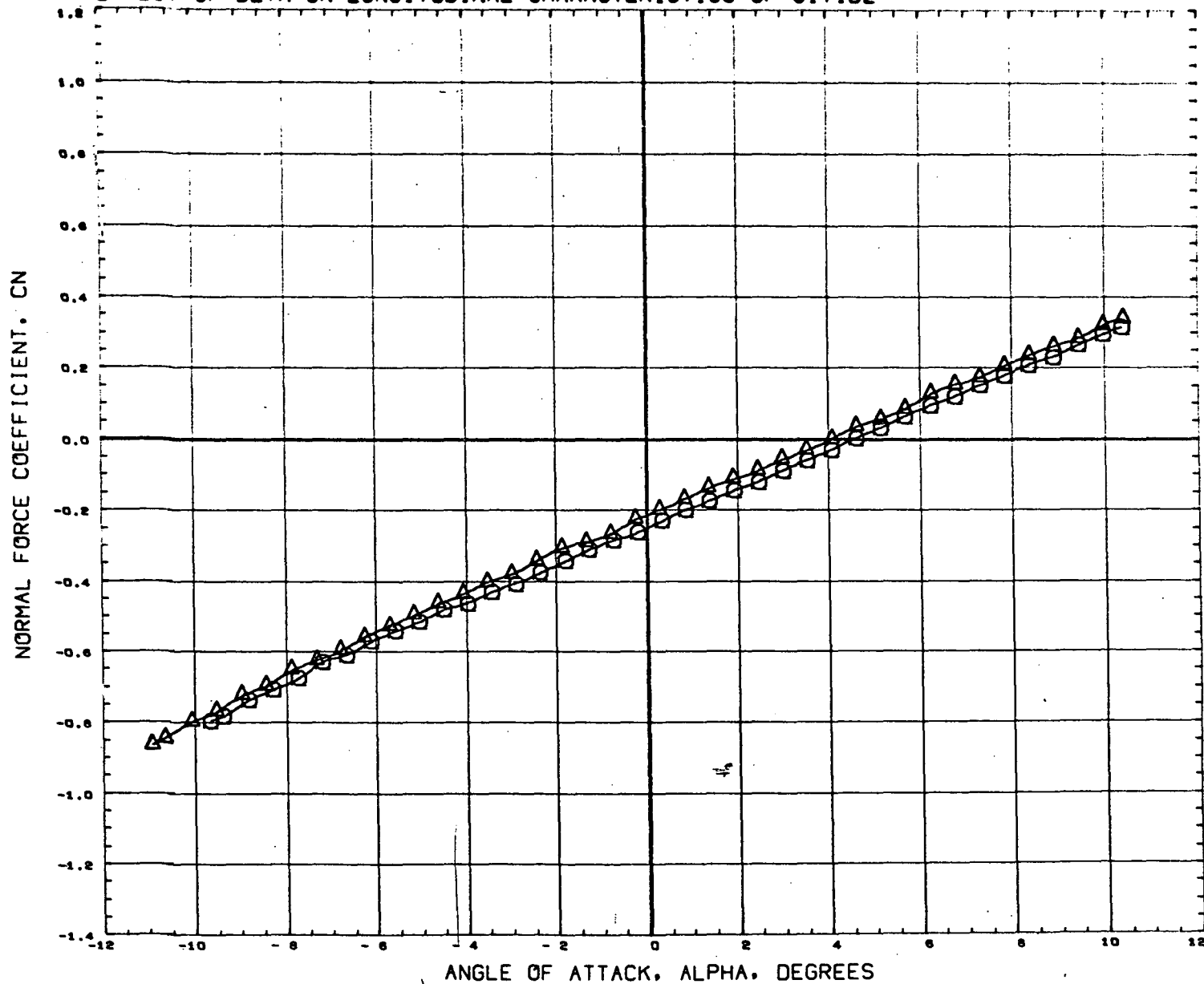
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(CD7314) MDAC S-222 COMPOSITE(T-CG) 01T1B2  
(CD7315) MDAC S-222 COMPOSITE(T-CG) 01T1B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

PAGE 311

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B2



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(CD7514)  $\bigcirc$  MDAC S-222 COMPOSITE (T-CG) 011B2  
(CD7515)  $\triangle$  MDAC S-222 COMPOSITE (T-CG) 011B2

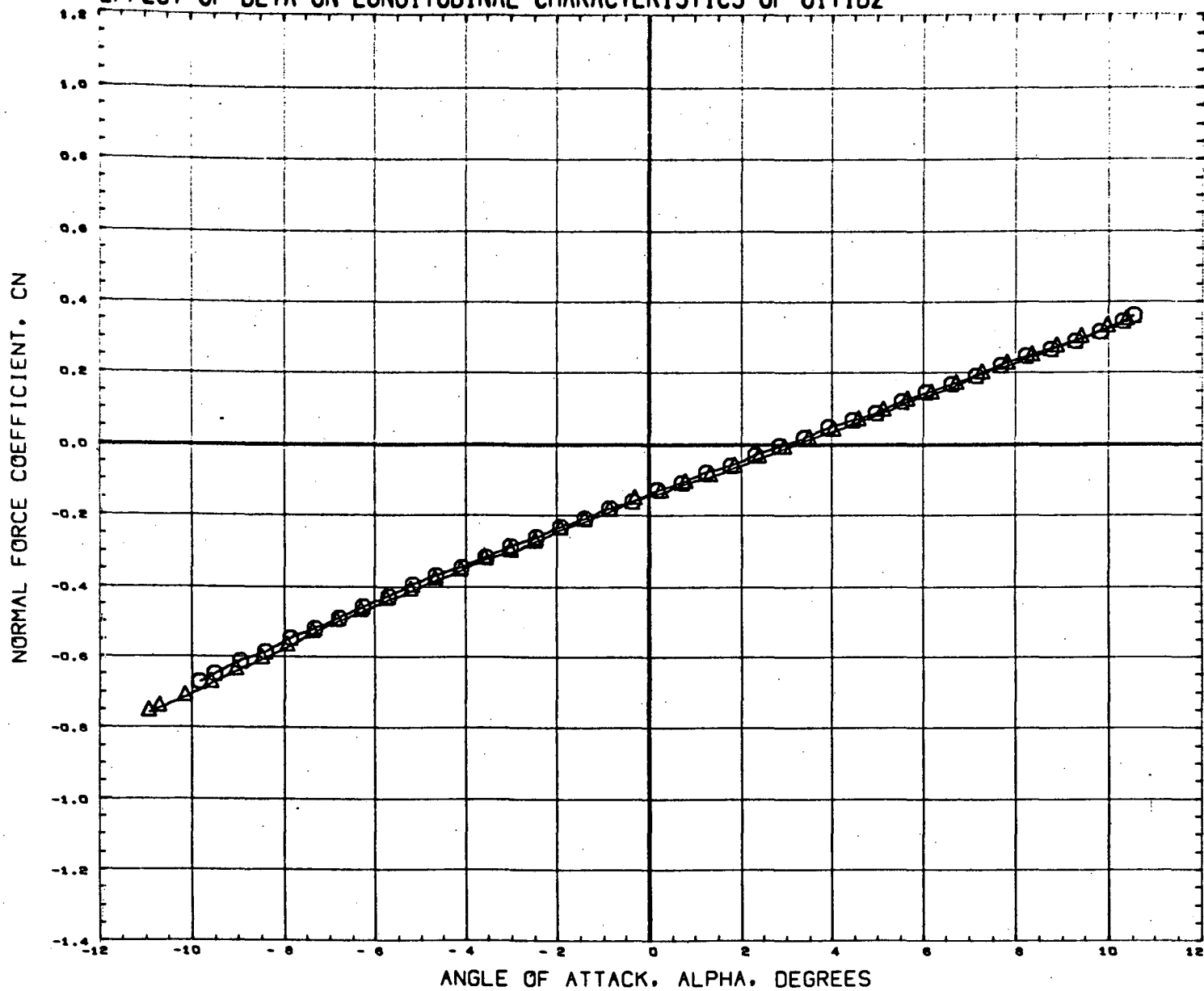
BETA ELEVTR AILRON RUDDER  
0.000 0.000 0.000 0.000  
6.000 0.000 0.000 0.000

REFERENCE INFORMATION  
SREF 3155.3040 SQ.FT.  
LREF 609.5004 IN.  
BREF 862.0004 IN.  
XMRP 557.0004 IN.  
YMRP 0.0000 IN.  
ZMRP 200.0004 IN.  
SCALE 0.0060

MACH 1.08

PAGE 312

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B2



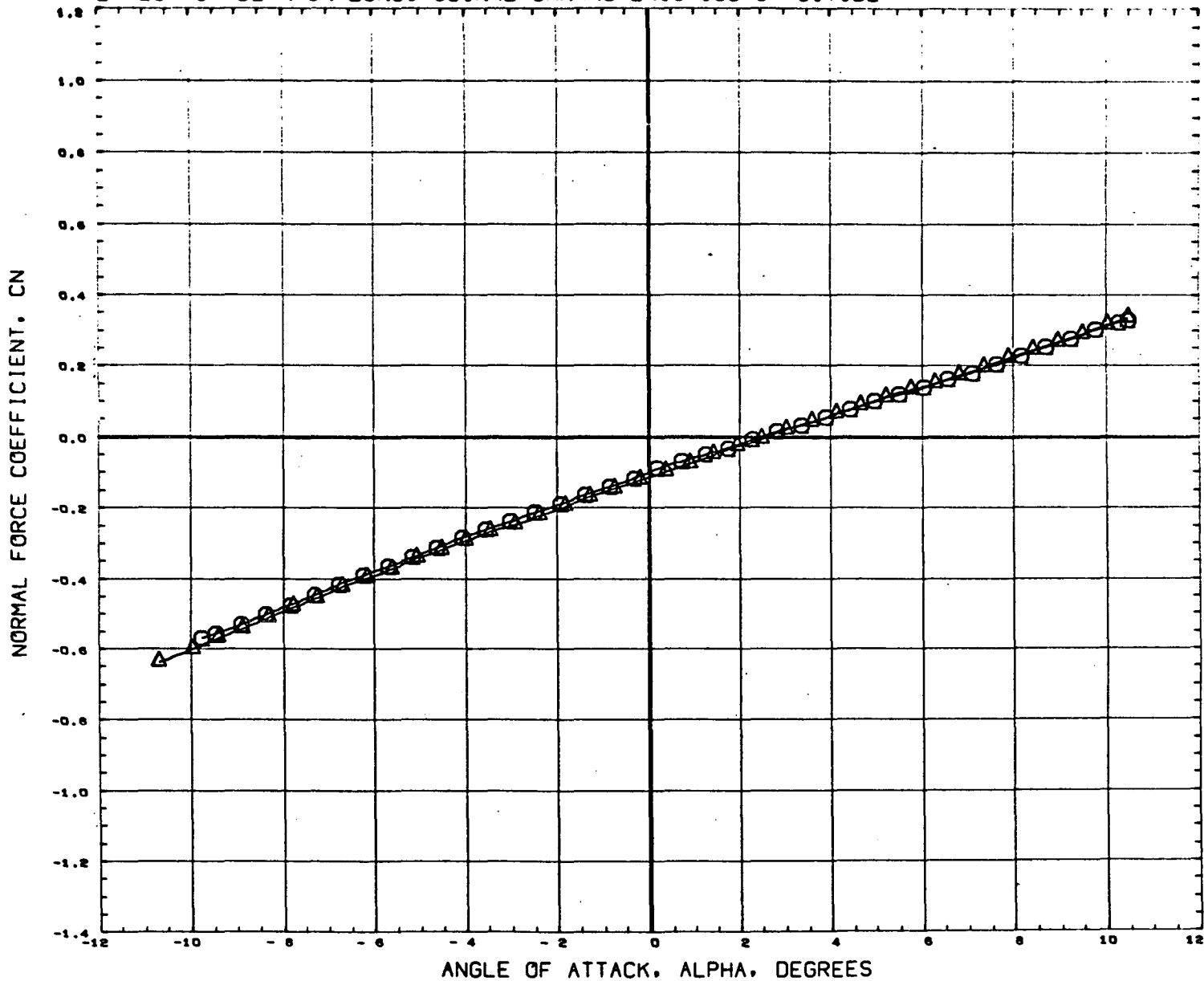
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (C07514) MDAC S-222 COMPOSITE (T-CG) 011B2  
 (C07515) MDAC S-222 COMPOSITE (T-CG) 011B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3195.3040	SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	862.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH 1.51

PAGE 313

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B2



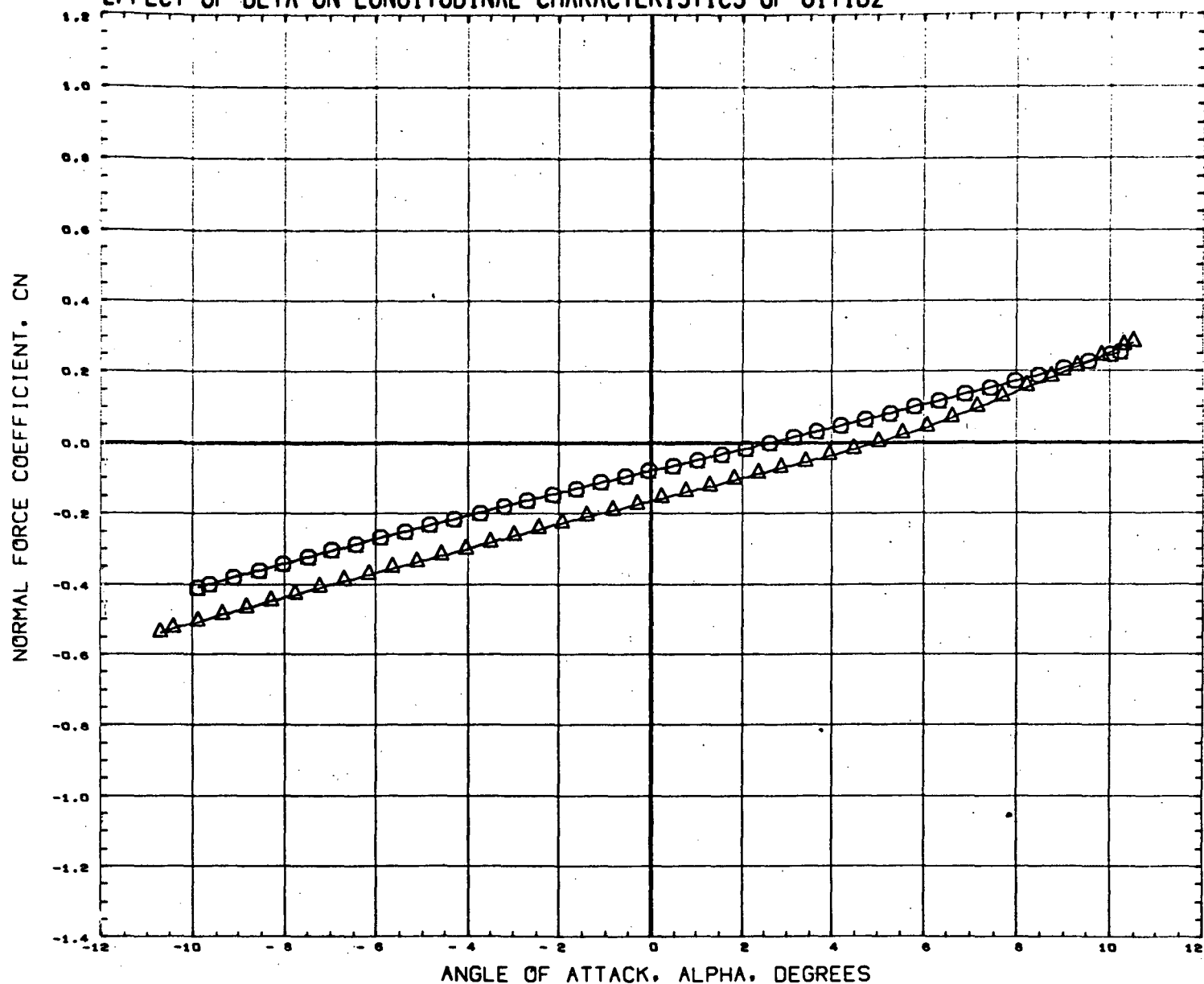
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7314)  $\bigcirc$  MDAC S-222 COMPOSITE (T-CG) 011B2  
 (CD7315)  $\triangle$  MDAC S-222 COMPOSITE (T-CG) 011B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.3004	IN.
				BREF	882.0004	IN.
				XMRP	957.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH 2.20

PAGE 314

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01182



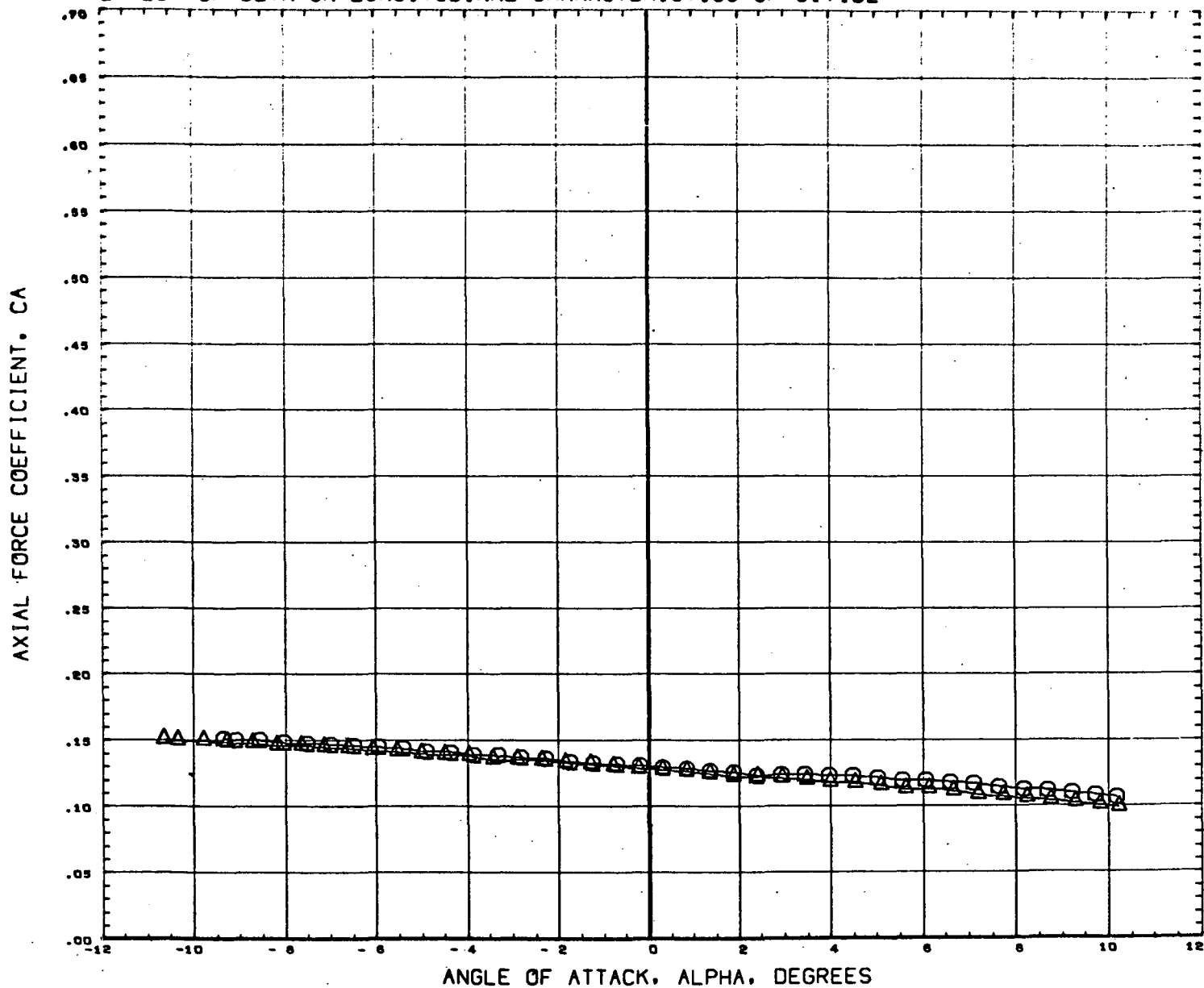
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(C07514)	○	MDAC S-222 COMPOSITE (T-CG) 01182
(C07515)	△	MDAC S-222 COMPOSITE (T-CG) 01182

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

PAGE 315

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7514) MDAC S-222 COMPOSITE (T-CG) 01T1B2  
 (CD7515) MDAC S-222 COMPOSITE (T-CG) 01T1B2

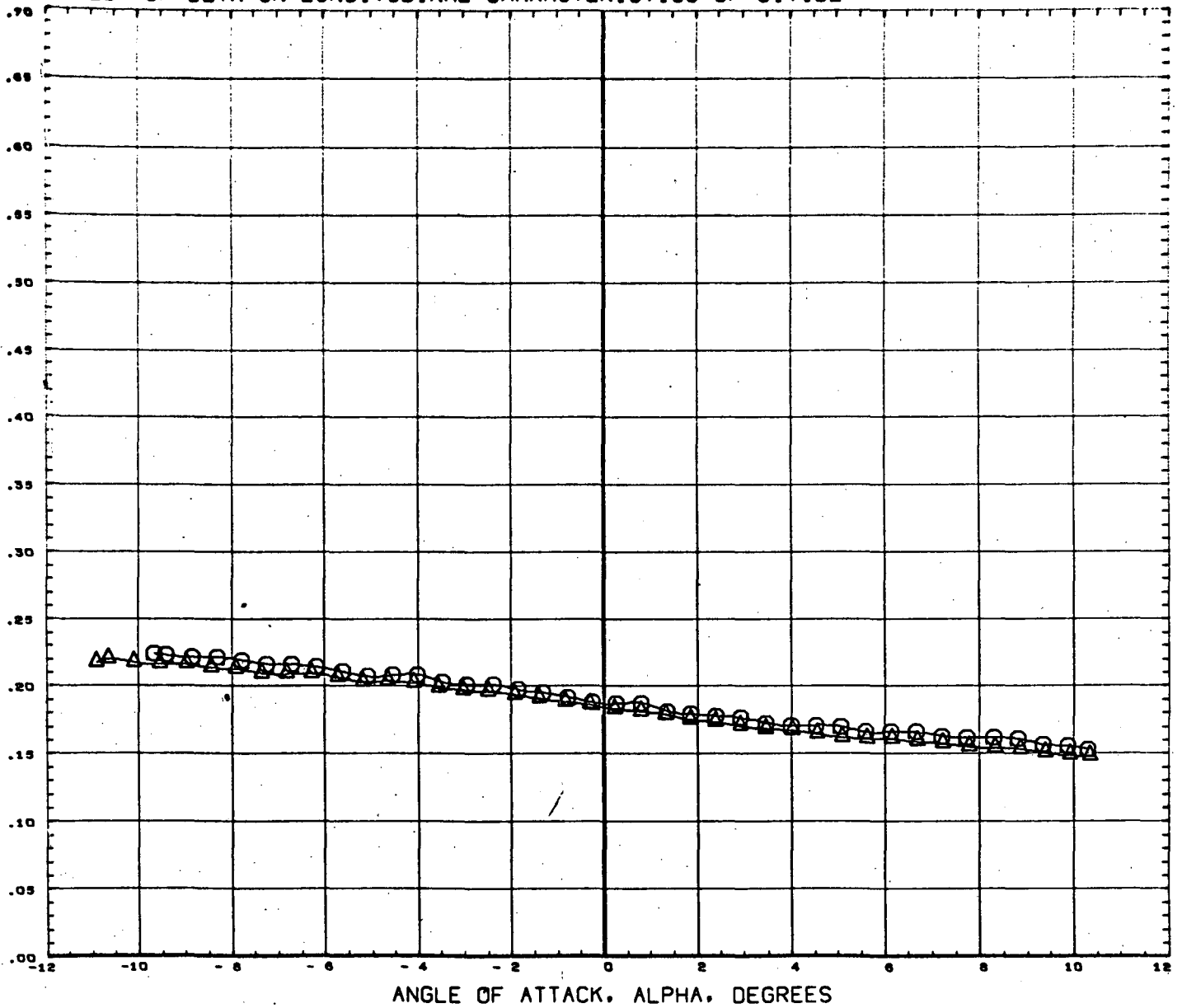
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	882.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH .56

PAGE 316

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2

AXIAL FORCE COEFFICIENT, CA



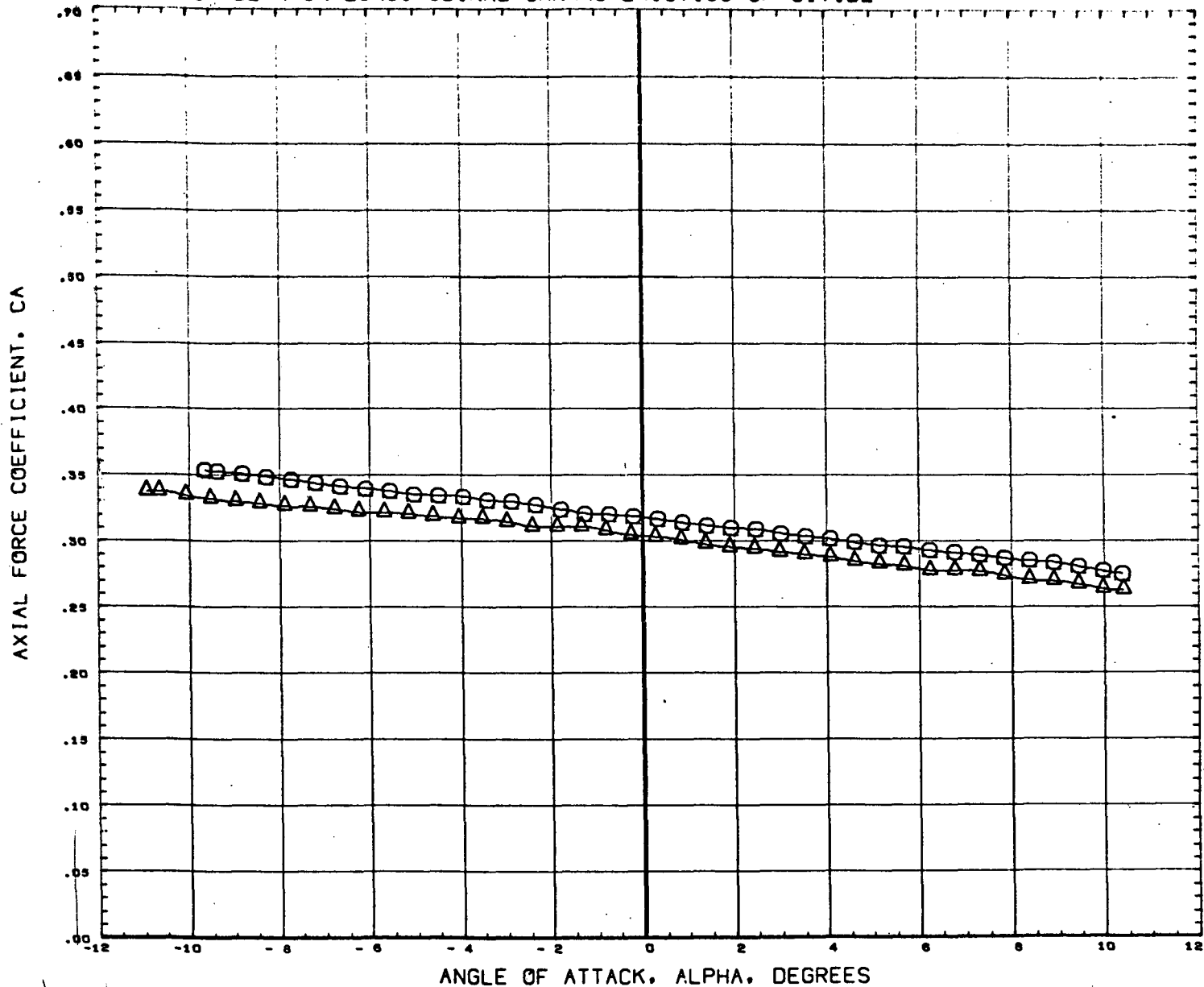
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7514) MDAC S-222 COMPOSITE (T-CG) 01T1B2  
 (CD7515) MDAC S-222 COMPOSITE (T-CG) 01T1B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.3004	IN.
				BREF	662.0004	IN.
				XMRF	537.0004	IN.
				YMRF	0.0000	IN.
				ZMRF	200.0004	IN.
				SCALE	0.0060	

MACH .89

PAGE 317

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7514) MDAC S-222 COMPOSITE (T-CG) 01T1B2  
 (CD7515) MDAC S-222 COMPOSITE (T-CG) 01T1B2

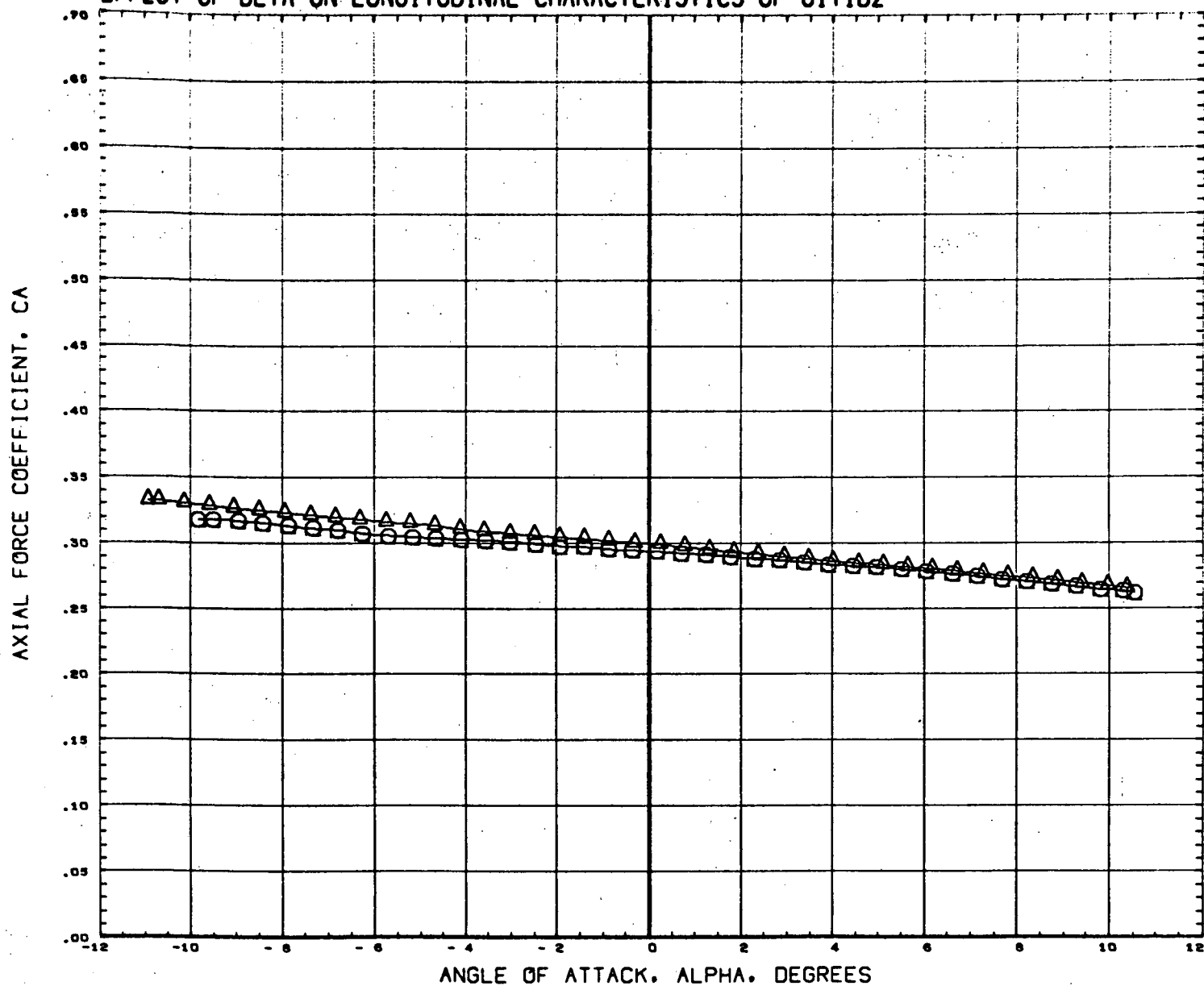
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.08

PAGE 318



# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2



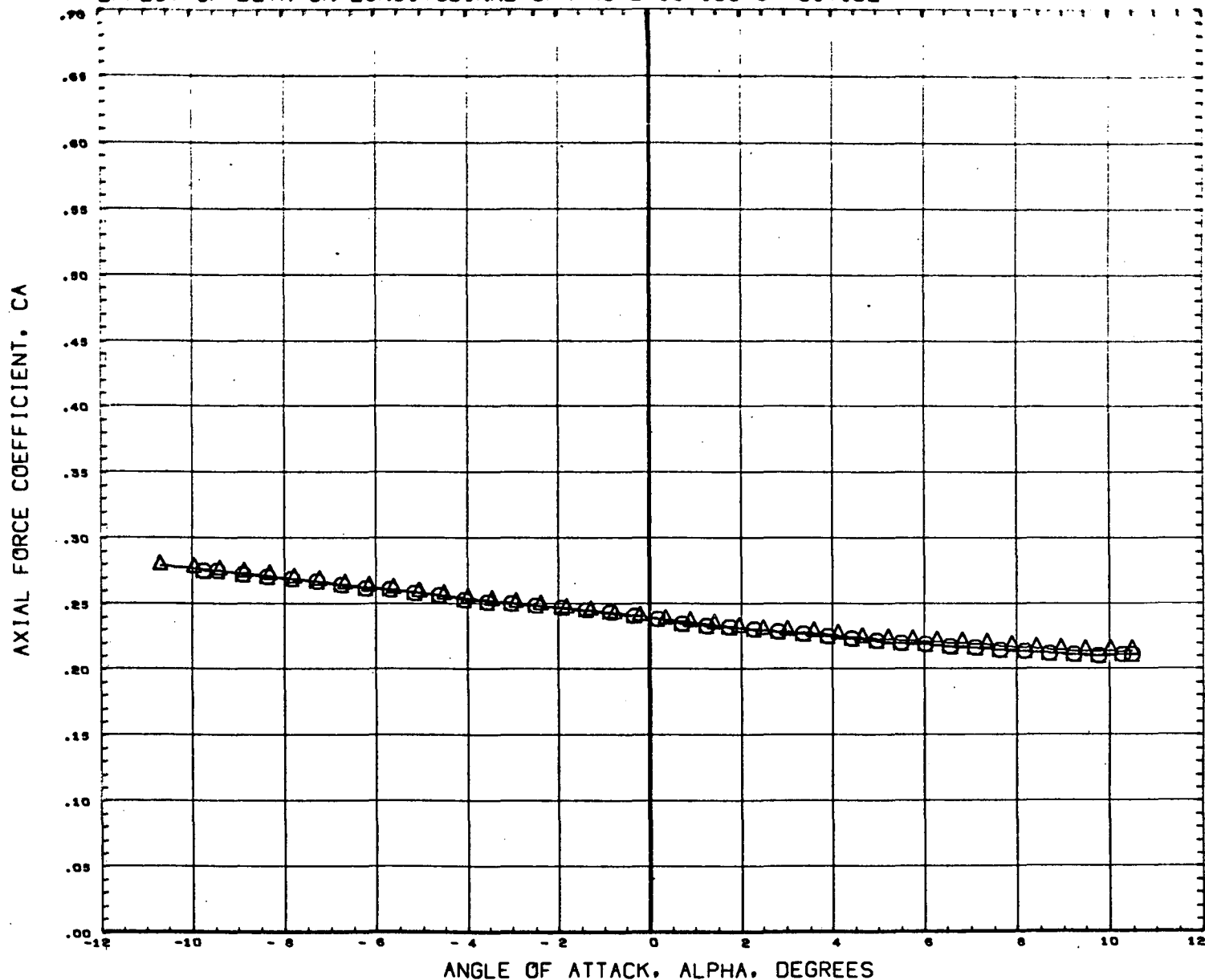
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7514) MDAC S-222 COMPOSITE (T-CG) 01T1B2  
 (CD7515) MDAC S-222 COMPOSITE (T-CG) 01T1B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	662.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH 1.51

PAGE 319

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B2



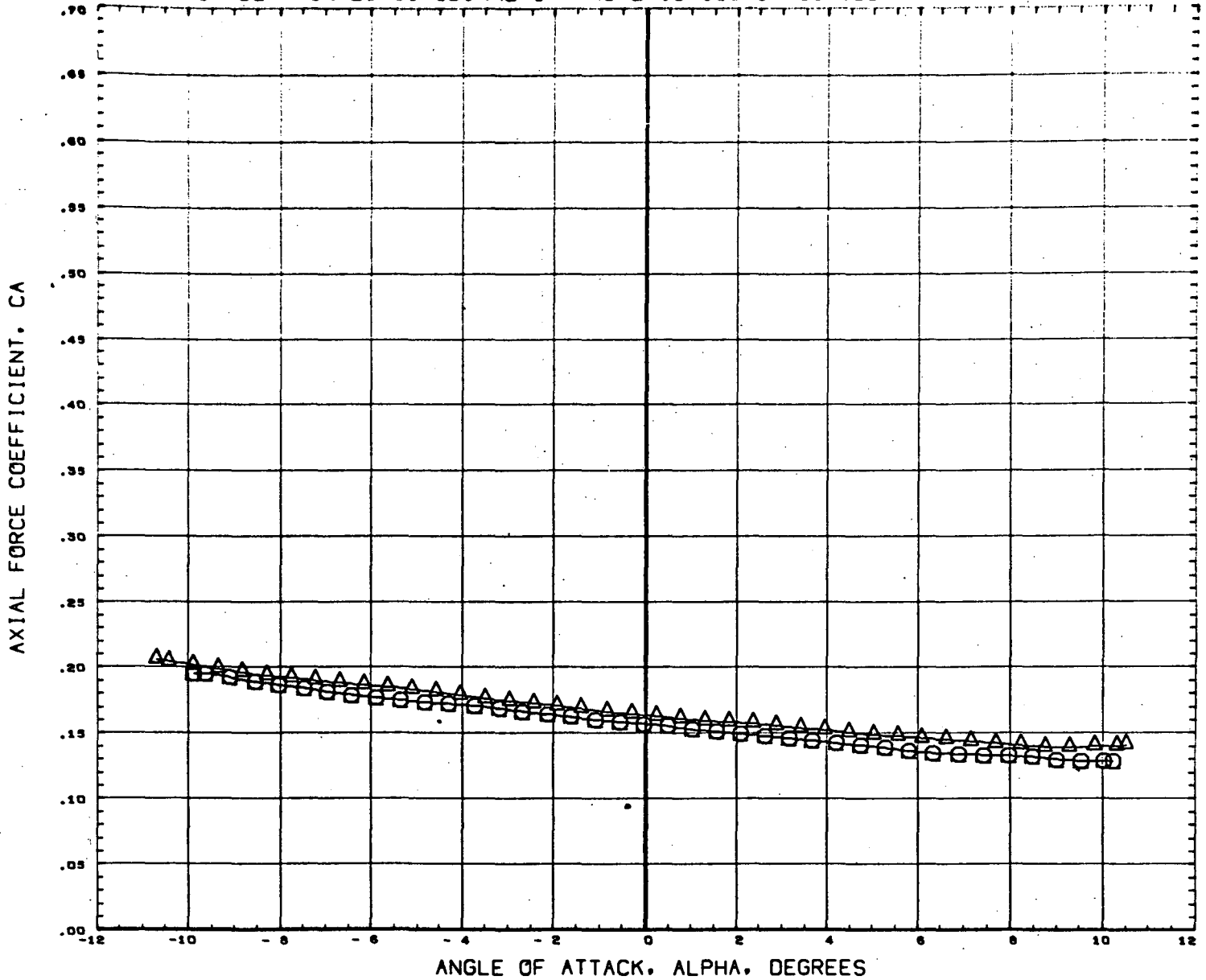
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7514) MDAC S-222 COMPOSITE (T-C6) 011B2  
 (CD7515) MDAC S-222 COMPOSITE (T-C6) 011B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	862.0004	IN.
				XMRP	997.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH 2.20

PAGE 320

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7514) MDAC S-222 COMPOSITE (T-CG) 01T1B2  
 (CD7515) MDAC S-222 COMPOSITE (T-CG) 01T1B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	682.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

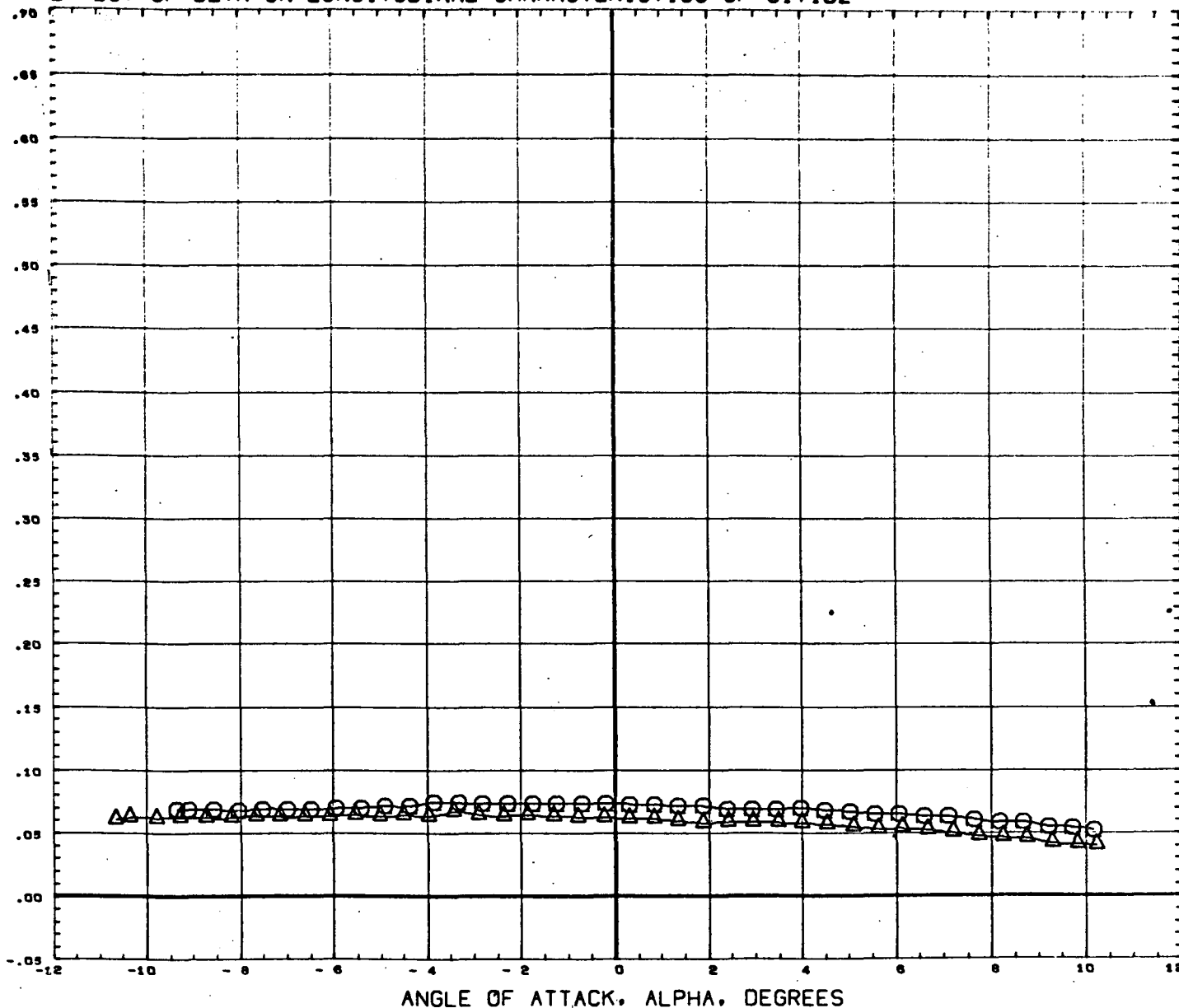
MACH

4.47

PAGE 321

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B2

FOREBODY AXIAL FORCE COEFFICIENT, CAF



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (C07514) MDAC S-222 COMPOSITE (T-CG) 011B2  
 (C07515) MDAC S-222 COMPOSITE (T-CG) 011B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF 609.3004 IN.
				BREF 862.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

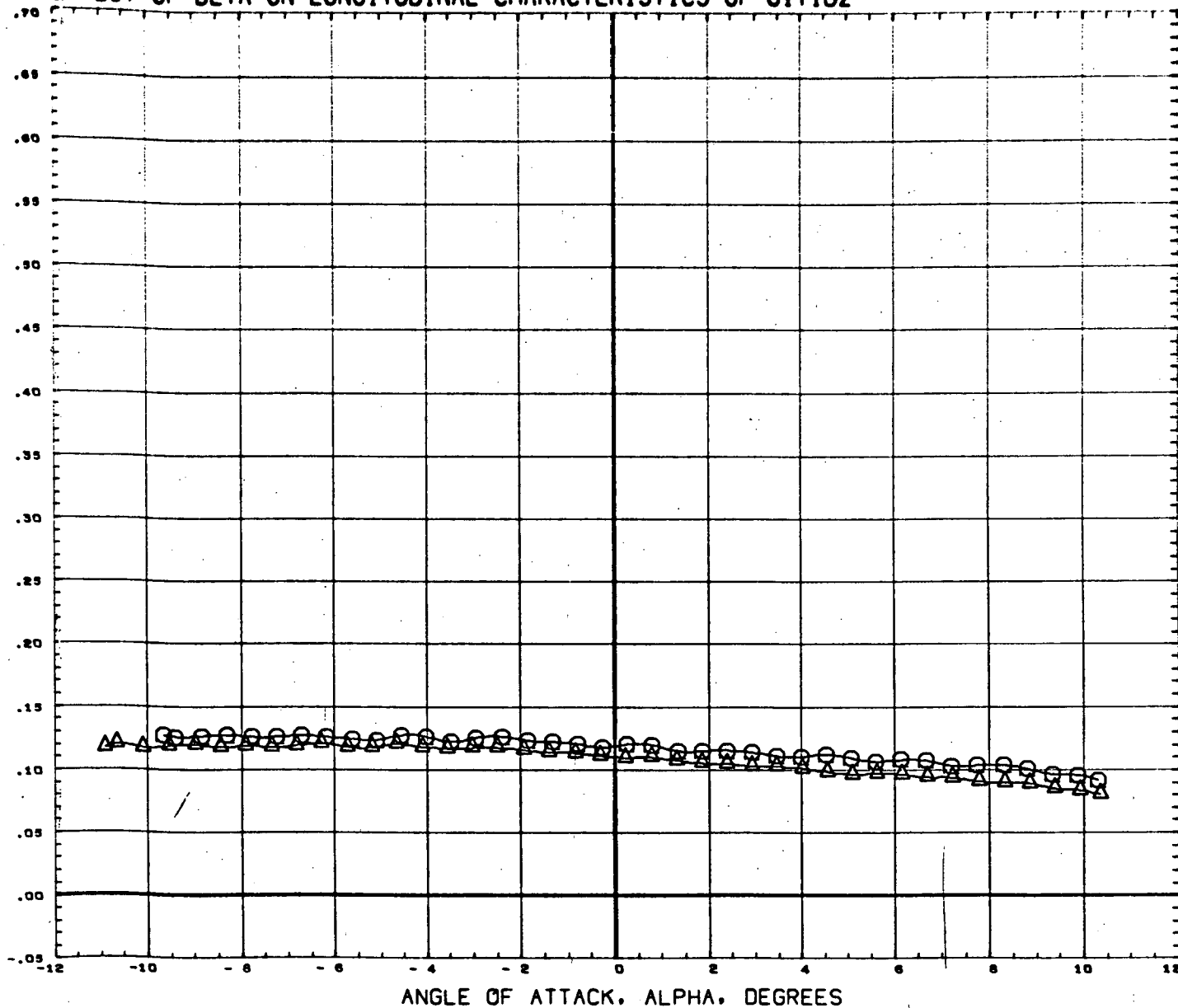
MACH

.56

PAGE 322

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2

FOREBODY AXIAL FORCE COEFFICIENT, CAF



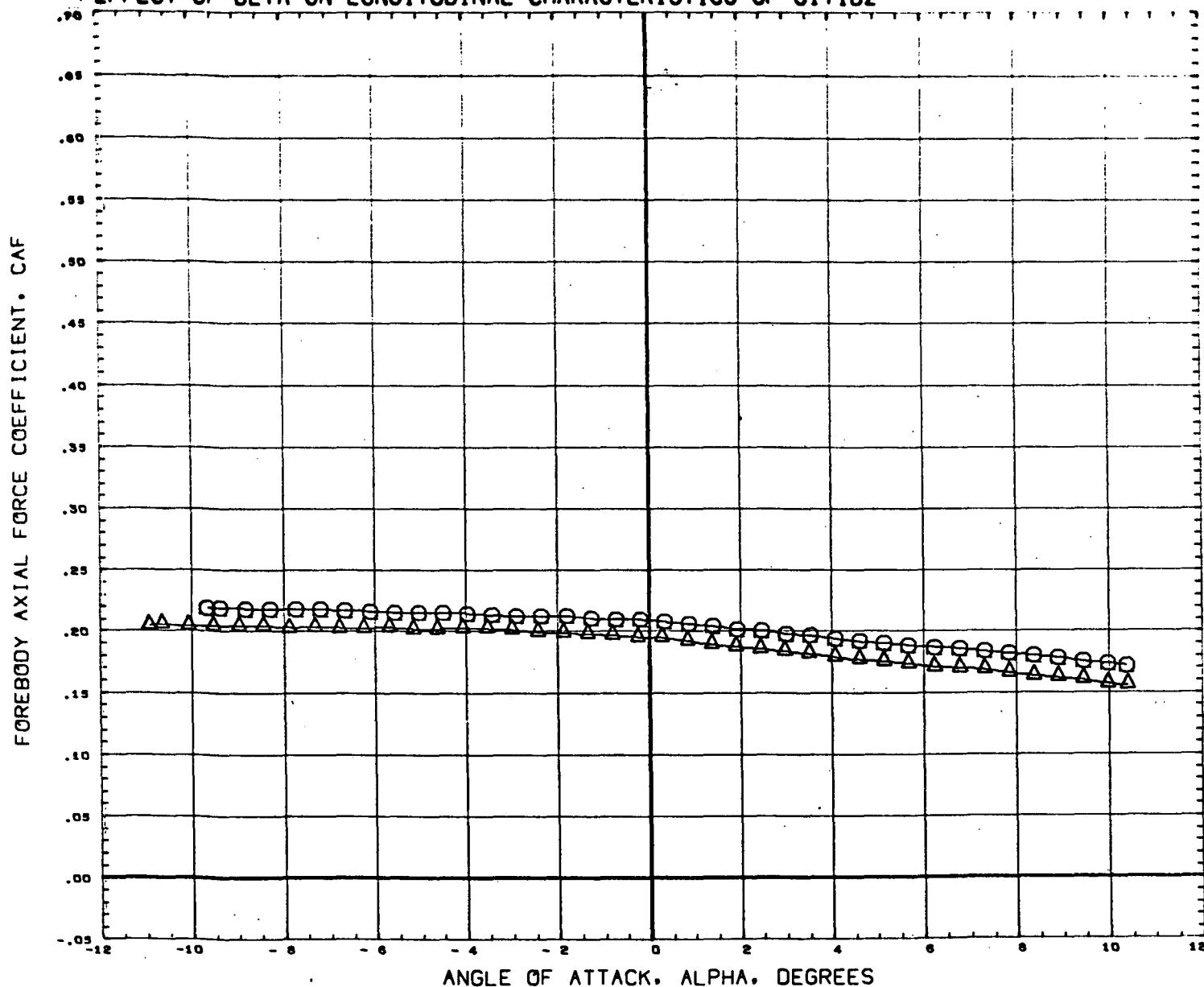
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 (CD7315) MDAC S-222 COMPOSITE (T-CG) 01T1B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	862.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH .89

PAGE 323

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T182



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(CD7514) ○ MDAC S-222 COMPOSITE (T-C6) 01T182  
(CD7515) △ MDAC S-222 COMPOSITE (T-C6) 01T182

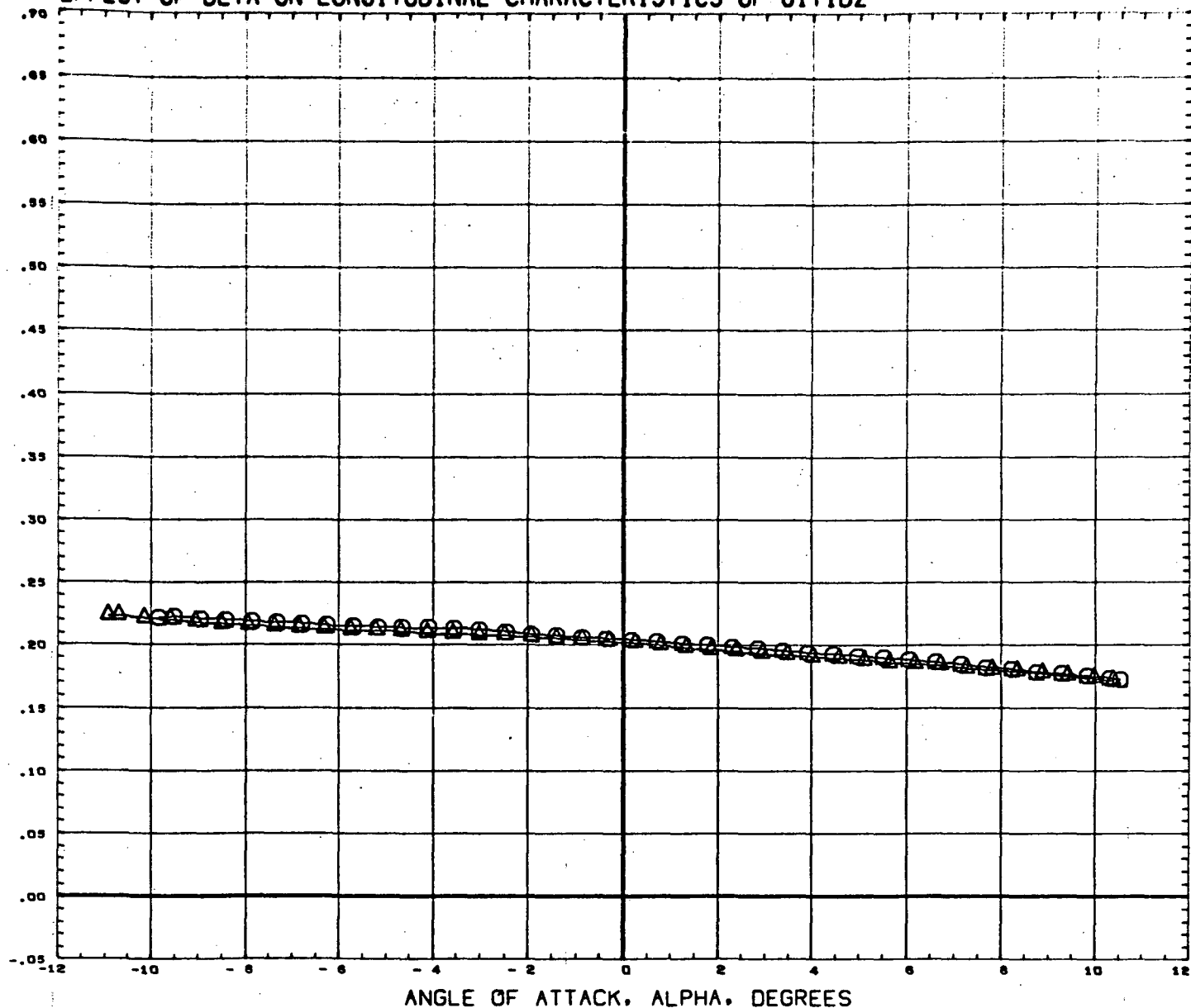
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	682.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	



MACH 1.08

PAGE 324

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011182

FOREBODY AXIAL FORCE COEFFICIENT, CAF



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7514)  MDAC S-222 COMPOSITE (T-CG) 011182  
 (CD7515)  MDAC S-222 COMPOSITE (T-CG) 011182

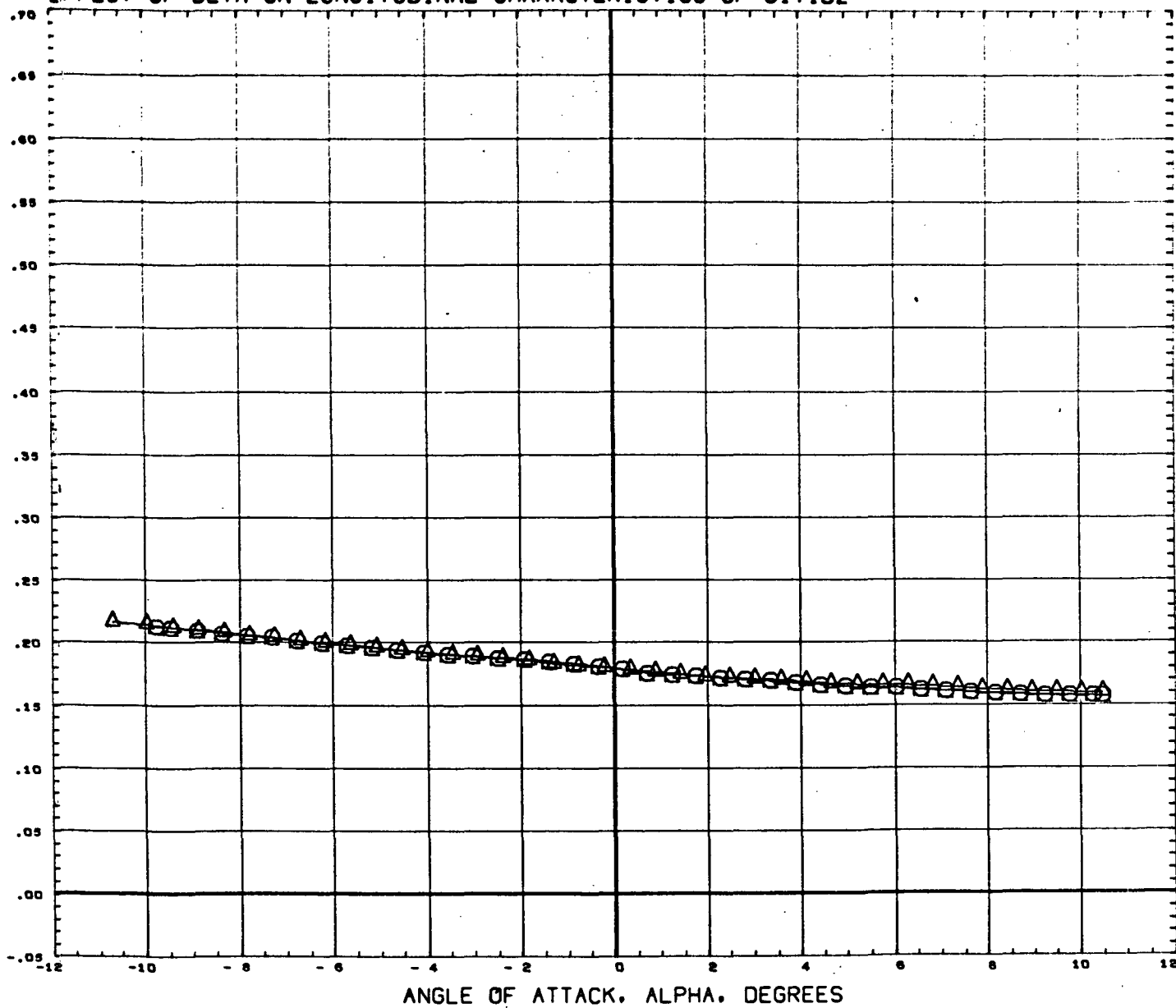
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.9004 IN.
				BREF	662.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 325

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2

FOREBODY AXIAL FORCE COEFFICIENT, CAF



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7514) MDAC S-222 COMPOSITE(T-CG) 01T1B2  
 (CD7515) MDAC S-222 COMPOSITE(T-CG) 01T1B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	682.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

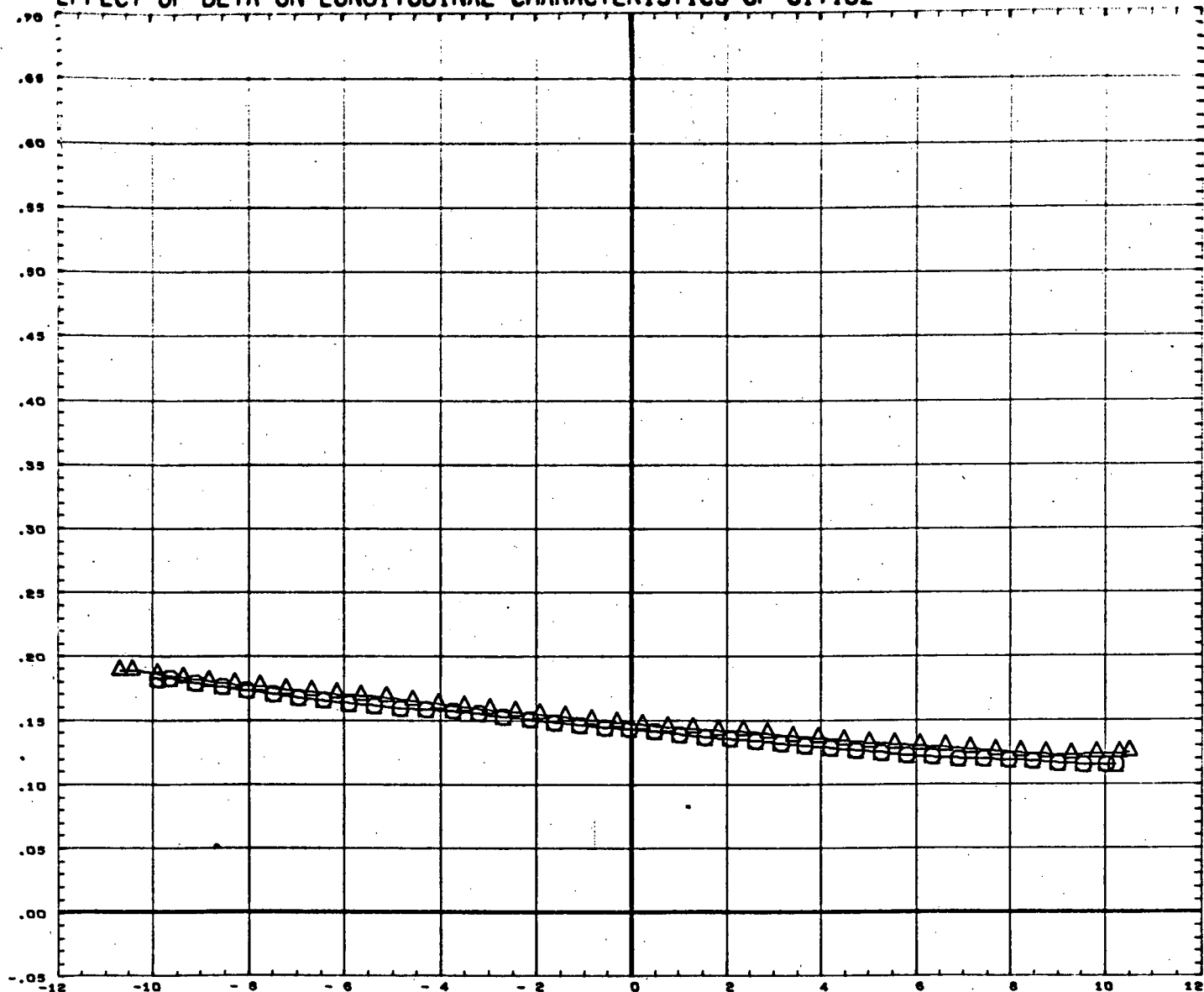
MACH 2.20

PAGE 326



# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T182

FOREBODY AXIAL FORCE COEFFICIENT, CAF



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

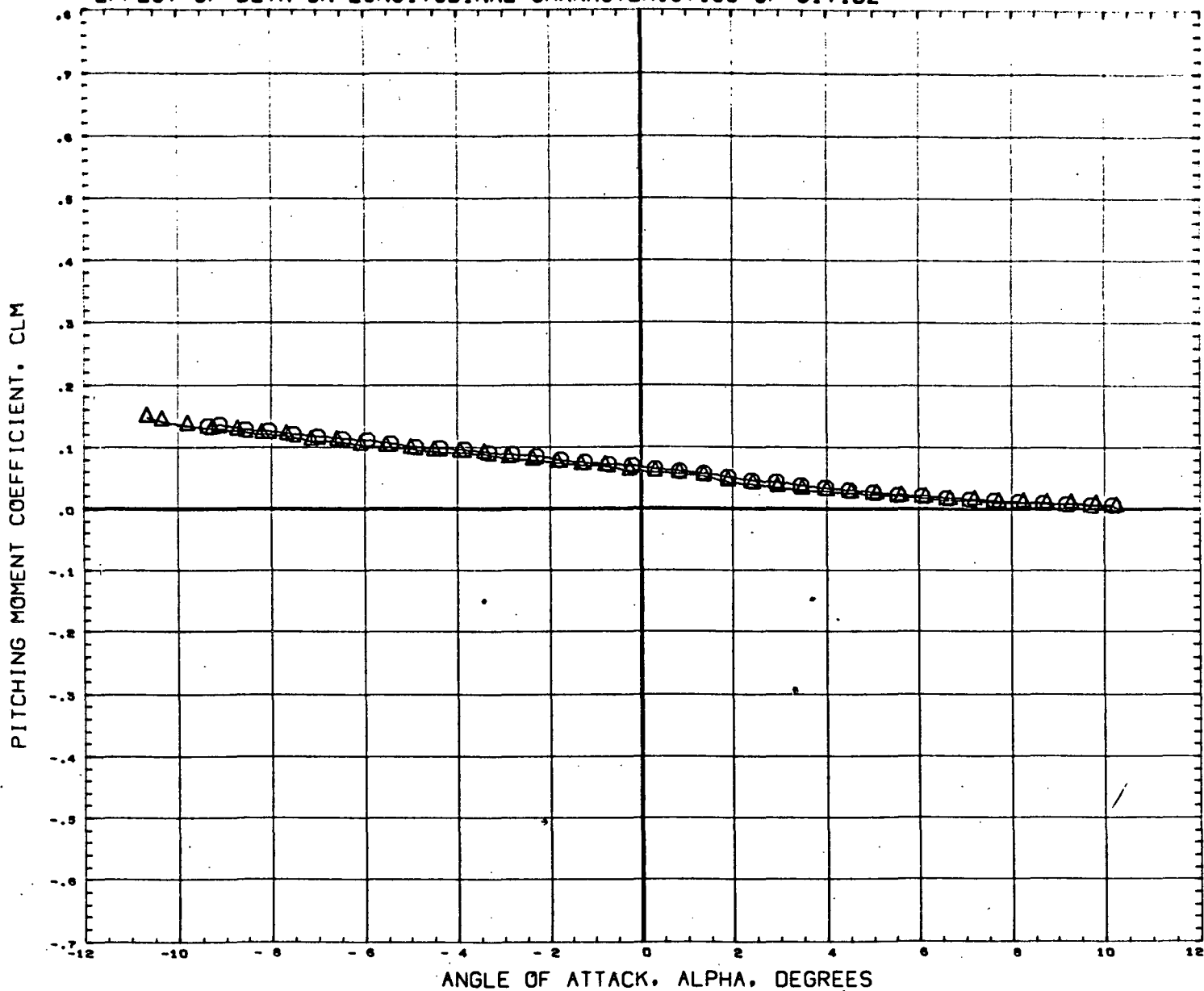
(CD7914)  $\square$  MDAC S-222 COMPOSITE (T-CG) 01T182  
(CD7915)  $\triangle$  MDAC S-222 COMPOSITE (T-CG) 01T182

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	809.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

PAGE 327

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B2



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7514)	MDAC S-222 COMPOSITE(T-CG) 011B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7515)	MDAC S-222 COMPOSITE(T-CG) 011B2	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

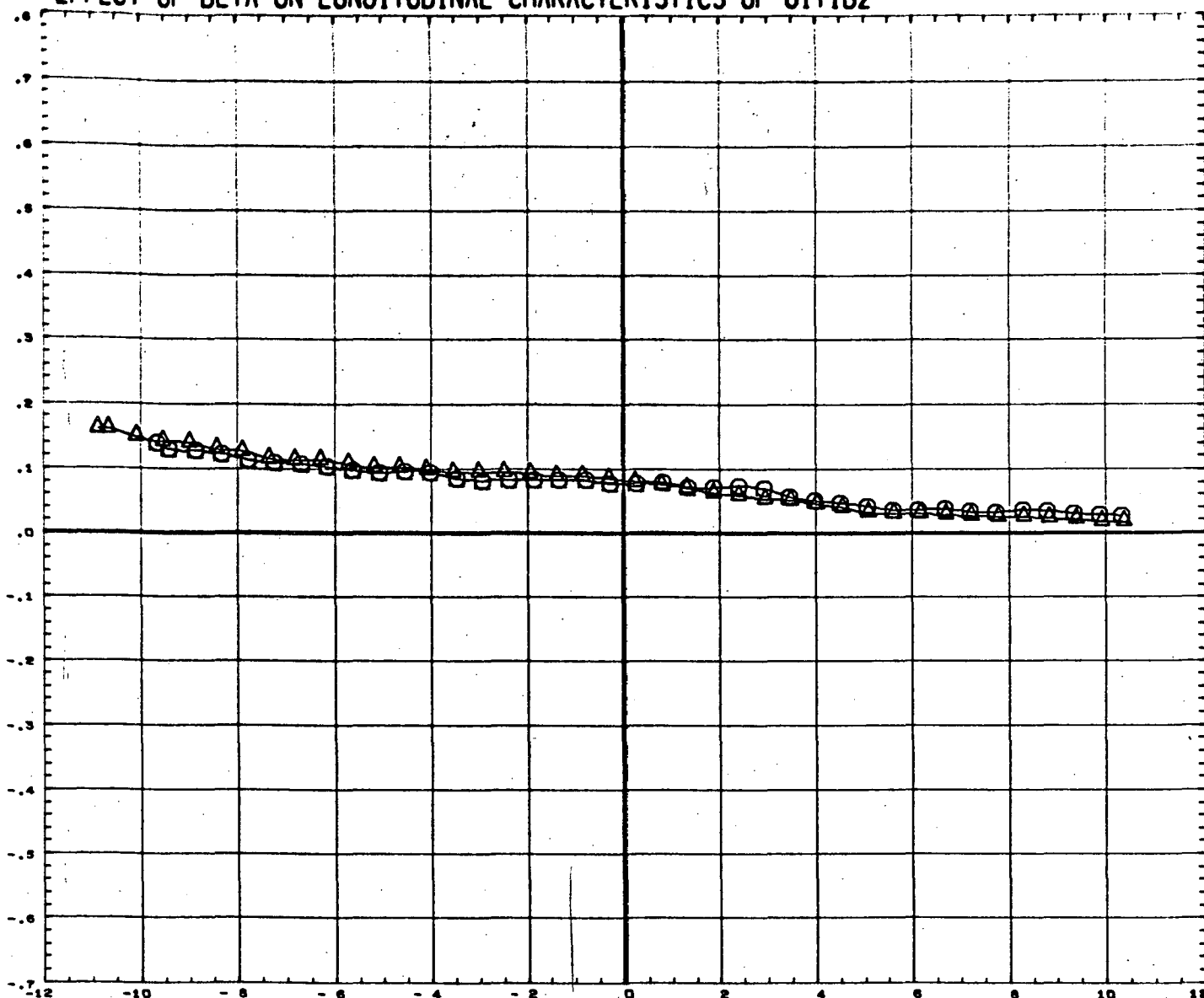
MACH

.56

PAGE 328

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B2

PITCHING MOMENT COEFFICIENT, CLM



ANGLE OF ATTACK, ALPHA, DEGREES

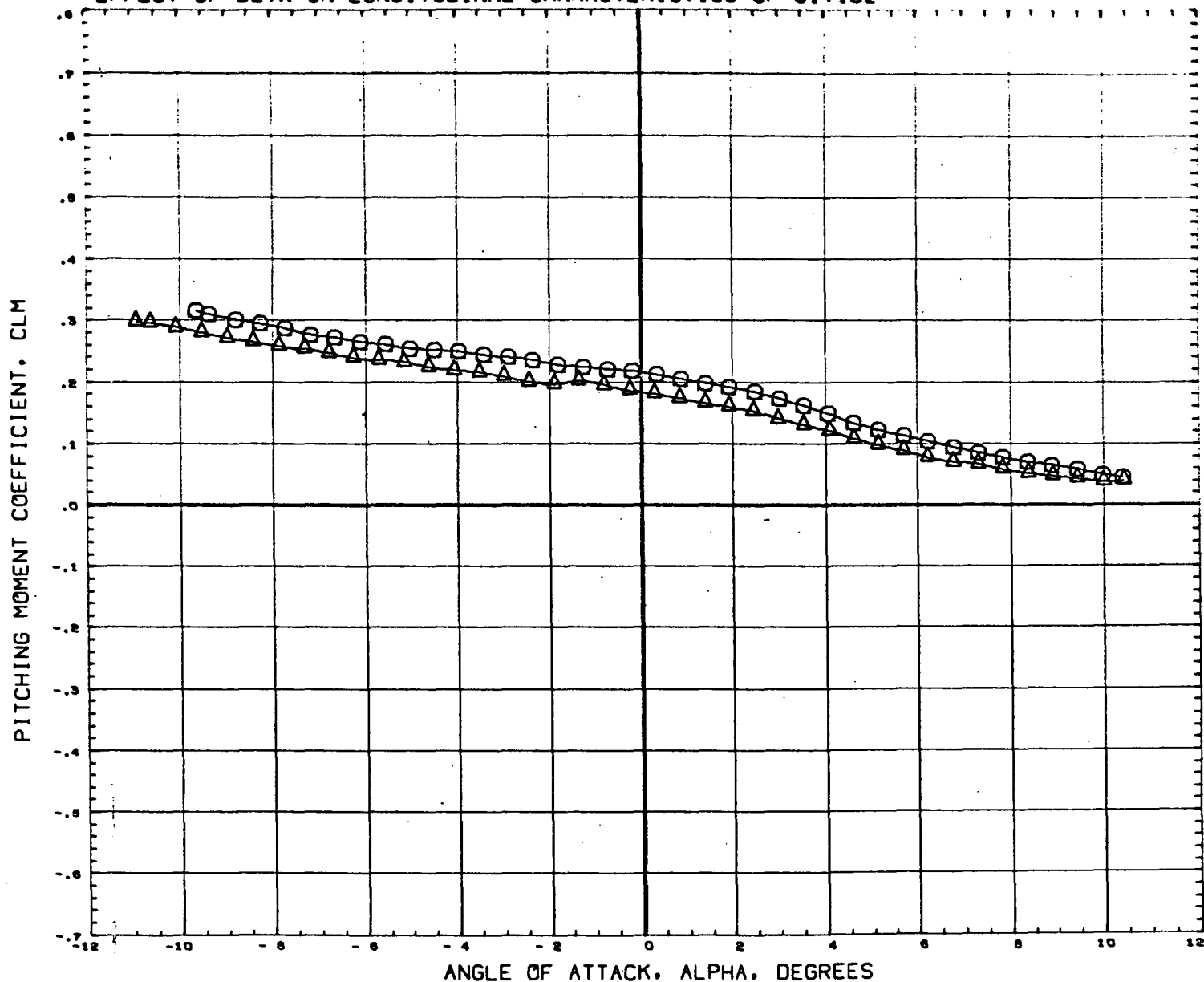
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7514) ○ MDAC S-222 COMPOSITE (T-CG) 011B2  
 (CD7515) △ MDAC S-222 COMPOSITE (T-CG) 011B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

PAGE 329

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B2



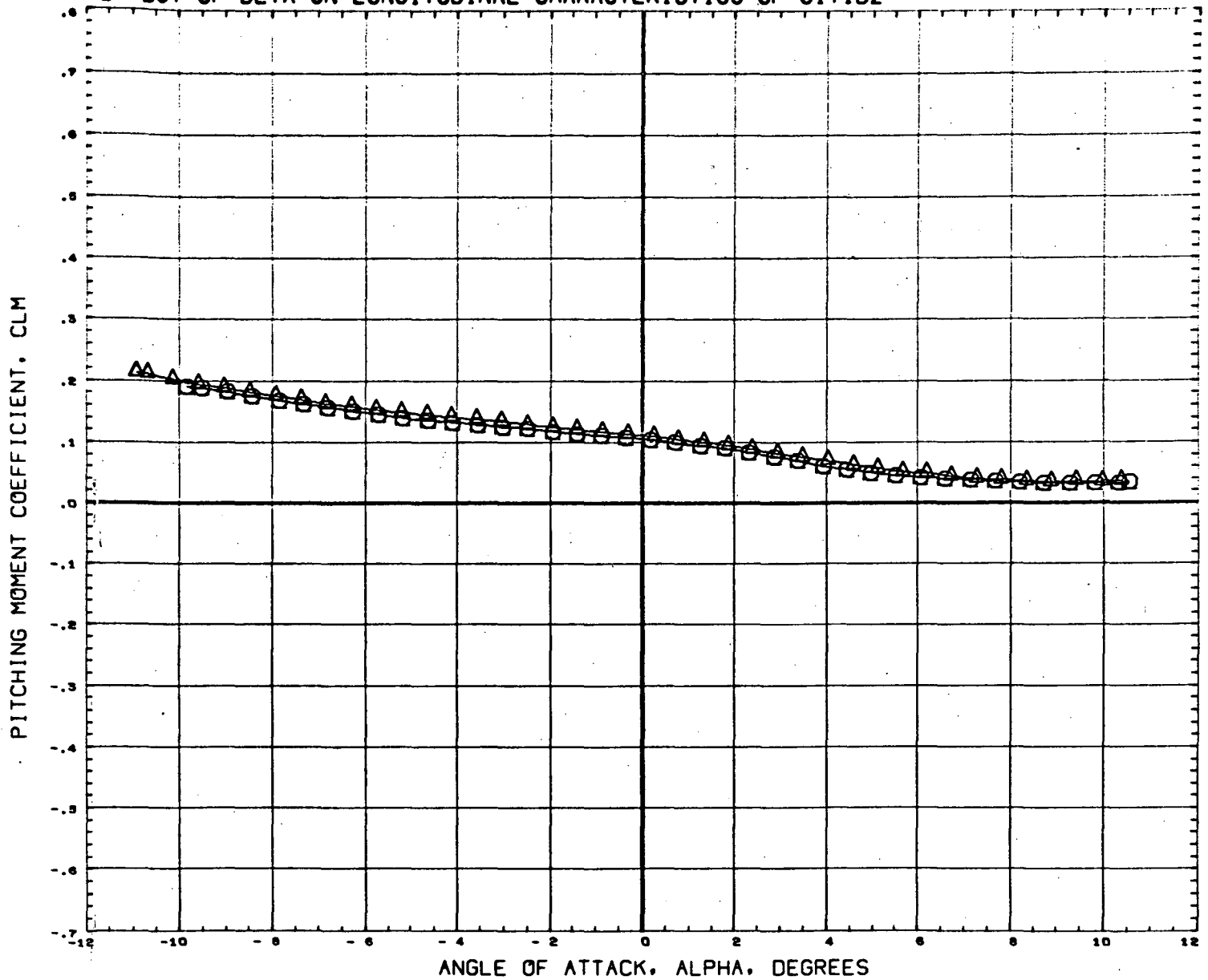
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7514)    ○    MDAC S-222 COMPOSITE (T-CG) 011B2  
 (CD7515)    △    MDAC S-222 COMPOSITE (T-CG) 011B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	862.0004 IN.
				XMRP	597.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH      1.08

PAGE    330

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2



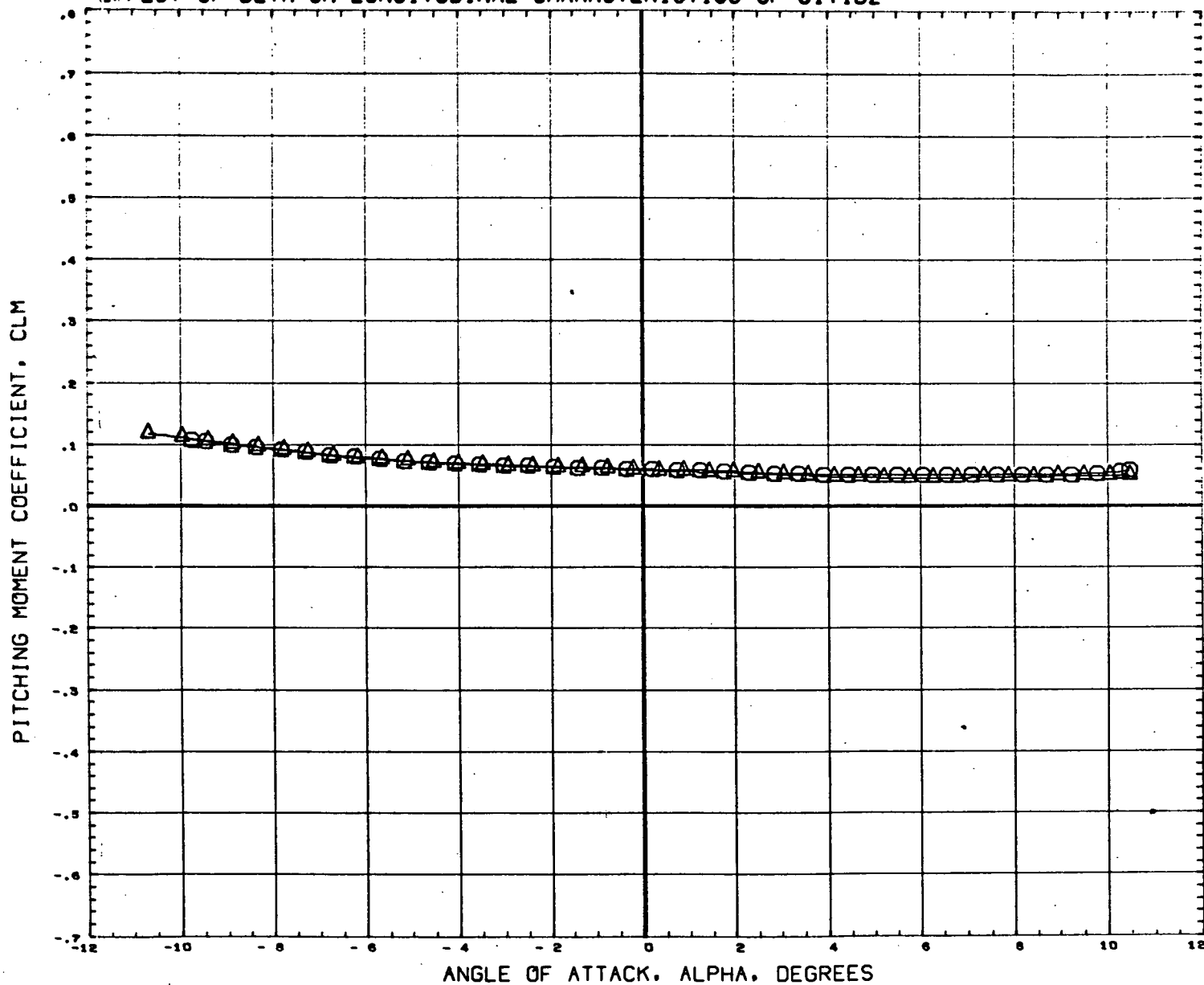
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
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 (CD7515) MDAC S-222 COMPOSITE (T-CG) 01T1B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 331

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B2



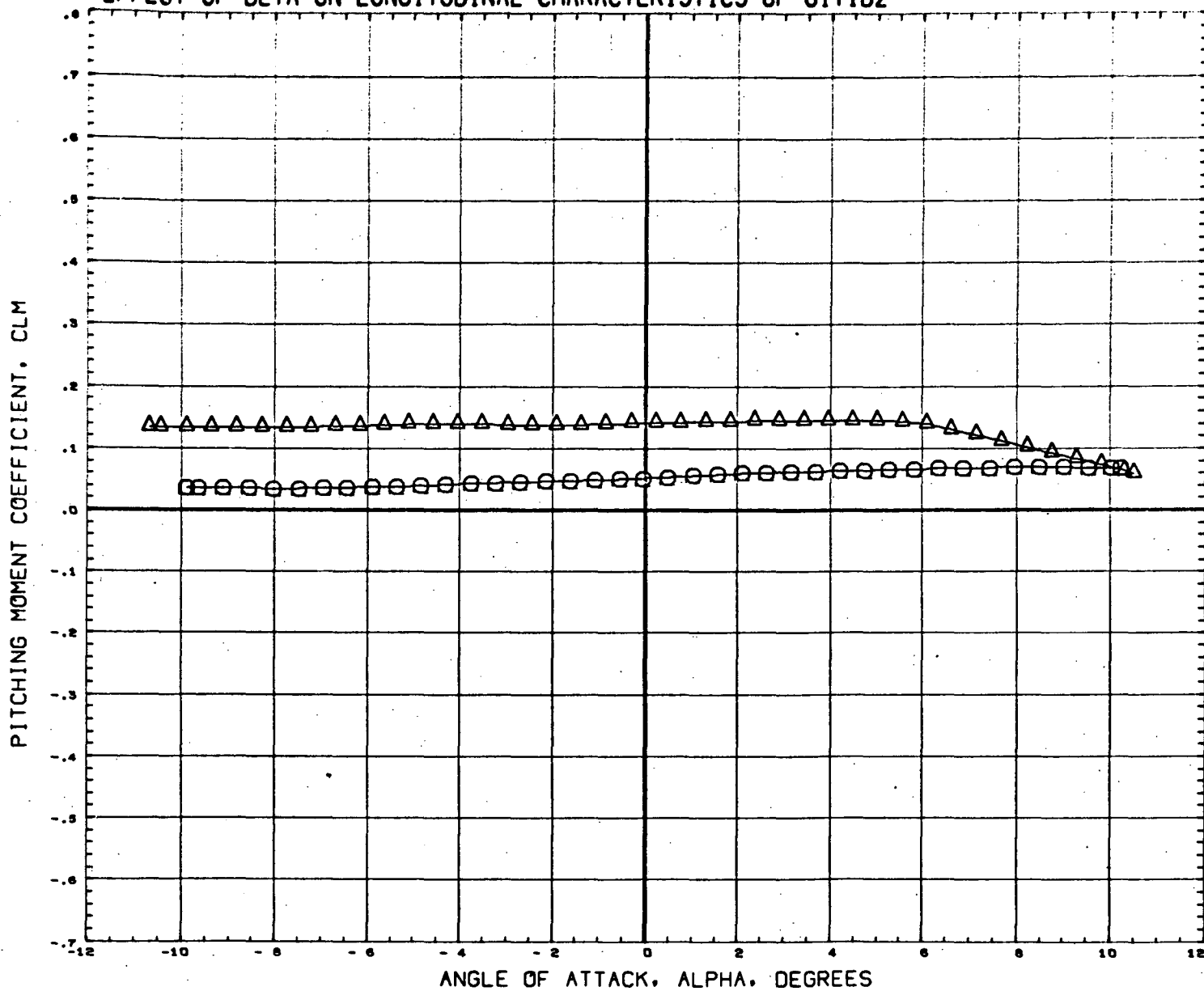
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7514)	MDAC S-222 COMPOSITE (T-CG) 011B2
(CD7515)	MDAC S-222 COMPOSITE (T-CG) 011B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF 609.5004 IN.
				BREF 862.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH 2.20

PAGE 332

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B2



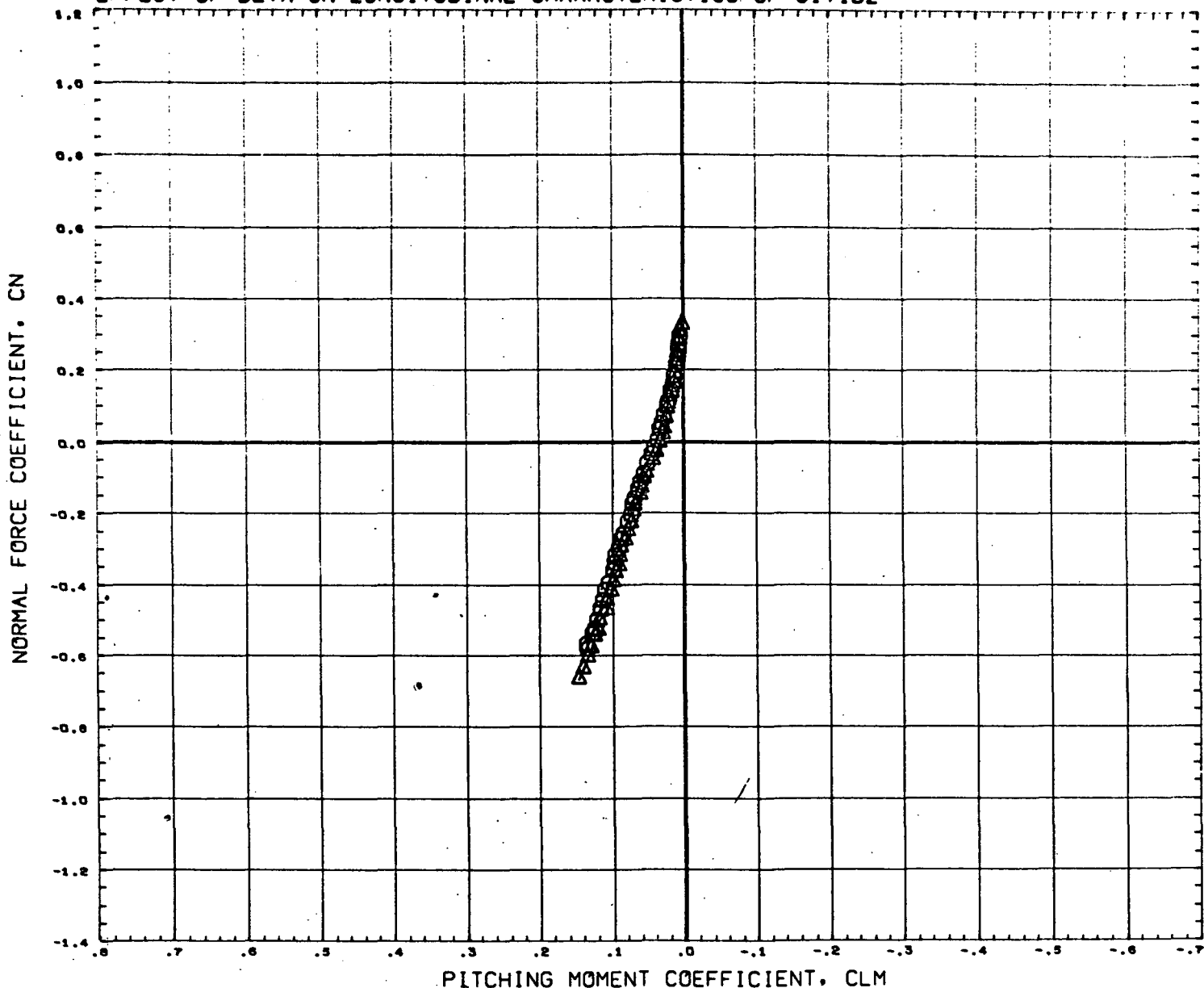
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7514)       MDAC S-222 COMPOSITE (T-CG) 011B2  
 (CD7515)       MDAC S-222 COMPOSITE (T-CG) 011B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH    4.47

PAGE    333

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T182



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7514)  $\Delta$  MDAC S-222 COMPOSITE (T-CG) 01T182  
 (CD7515)  $\Delta$  MDAC S-222 COMPOSITE (T-CG) 01T182

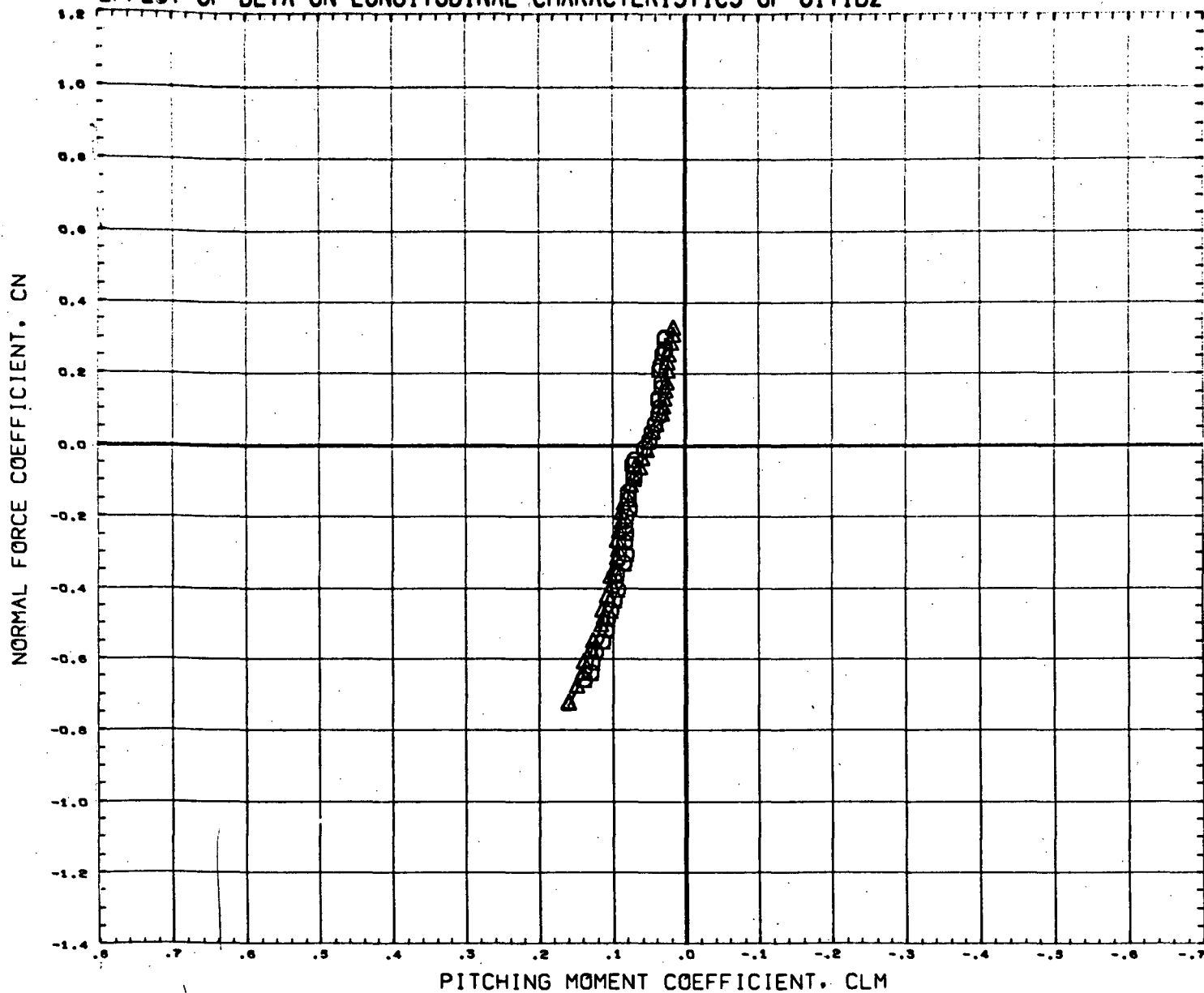
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .56

PAGE 334



# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B2



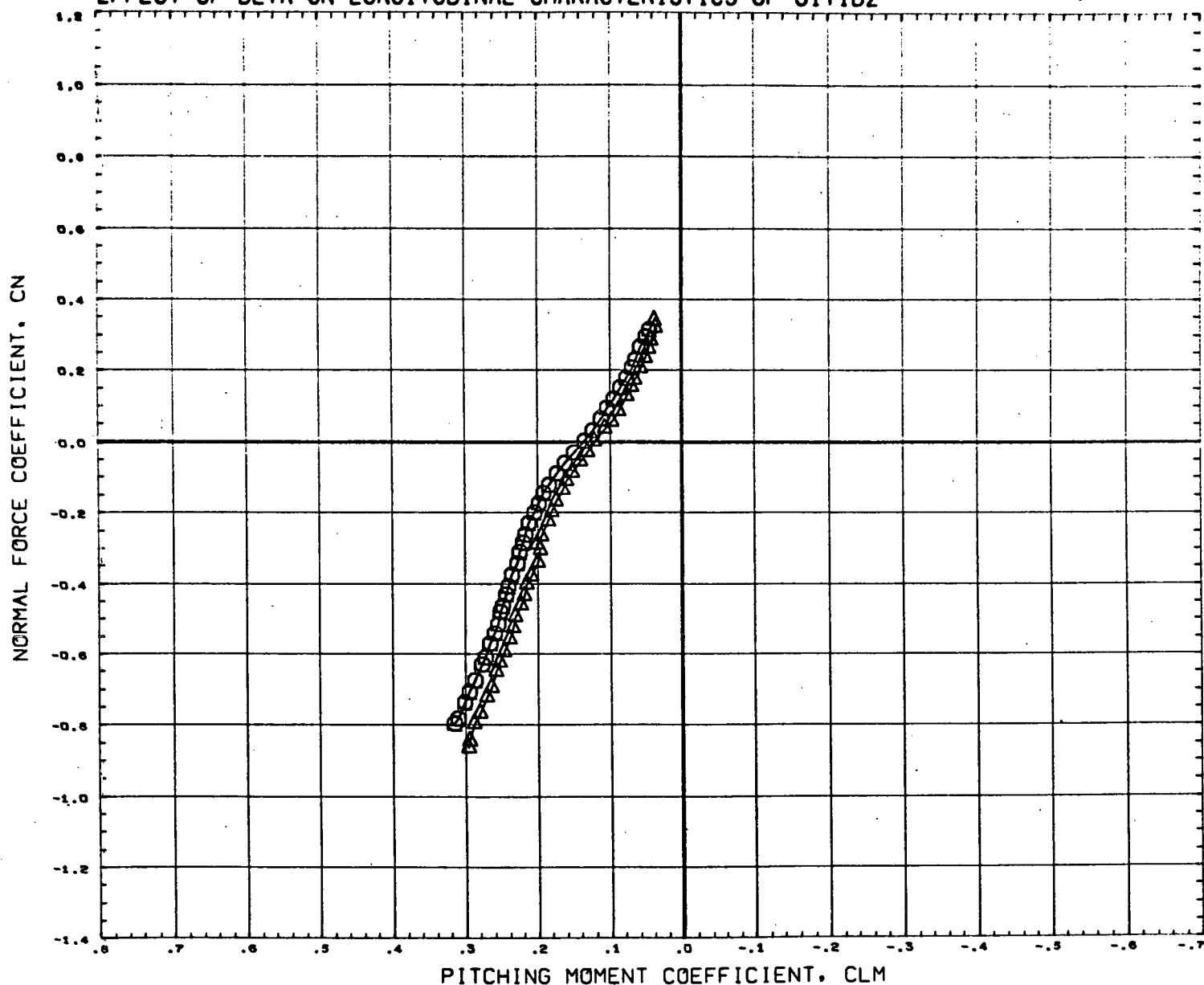
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7514)	MDAC S-222 COMPOSITE (T-CG) 011B2
(CD7515)	MDAC S-222 COMPOSITE (T-CG) 011B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF 609.5004 IN.
				BREF 662.0004 IN.
				XMRP 537.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH .89

PAGE 335

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7314)  $\bigcirc$  MDAC S-222 COMPOSITE (T-CG) 01T1B2  
 (CD7315)  $\triangle$  MDAC S-222 COMPOSITE (T-CG) 01T1B2

BETA ELEVTR AILRON RUDDER  
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 6.000 0.000 0.000 0.000

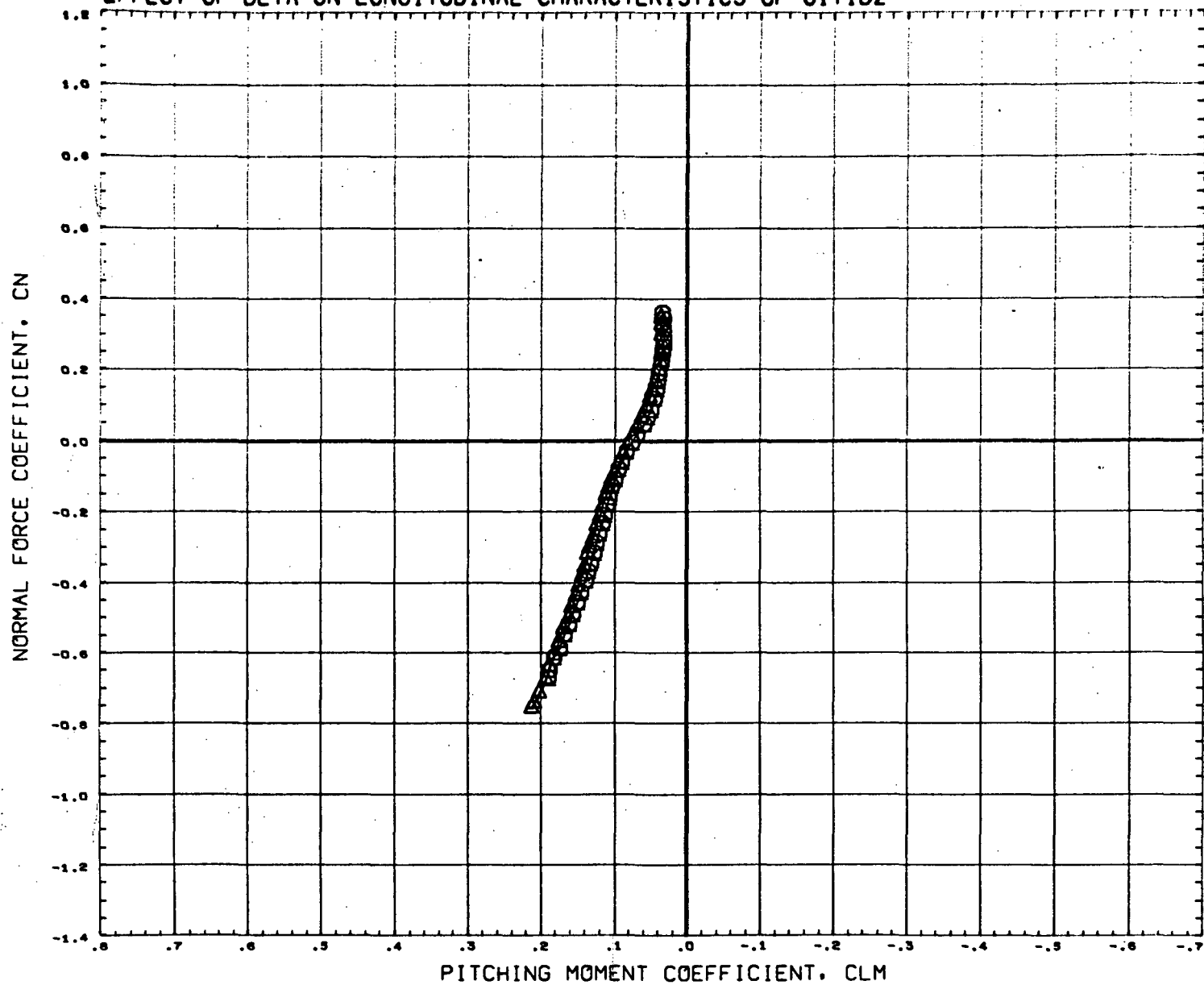
REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 662.0004 IN.  
 XMRP 7.7.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060



MACH

1.08

PAGE 336

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B2



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7514)  MDAC S-222 COMPOSITE (T-CG) 011B2  
 (CD7515)  MDAC S-222 COMPOSITE (T-CG) 011B2

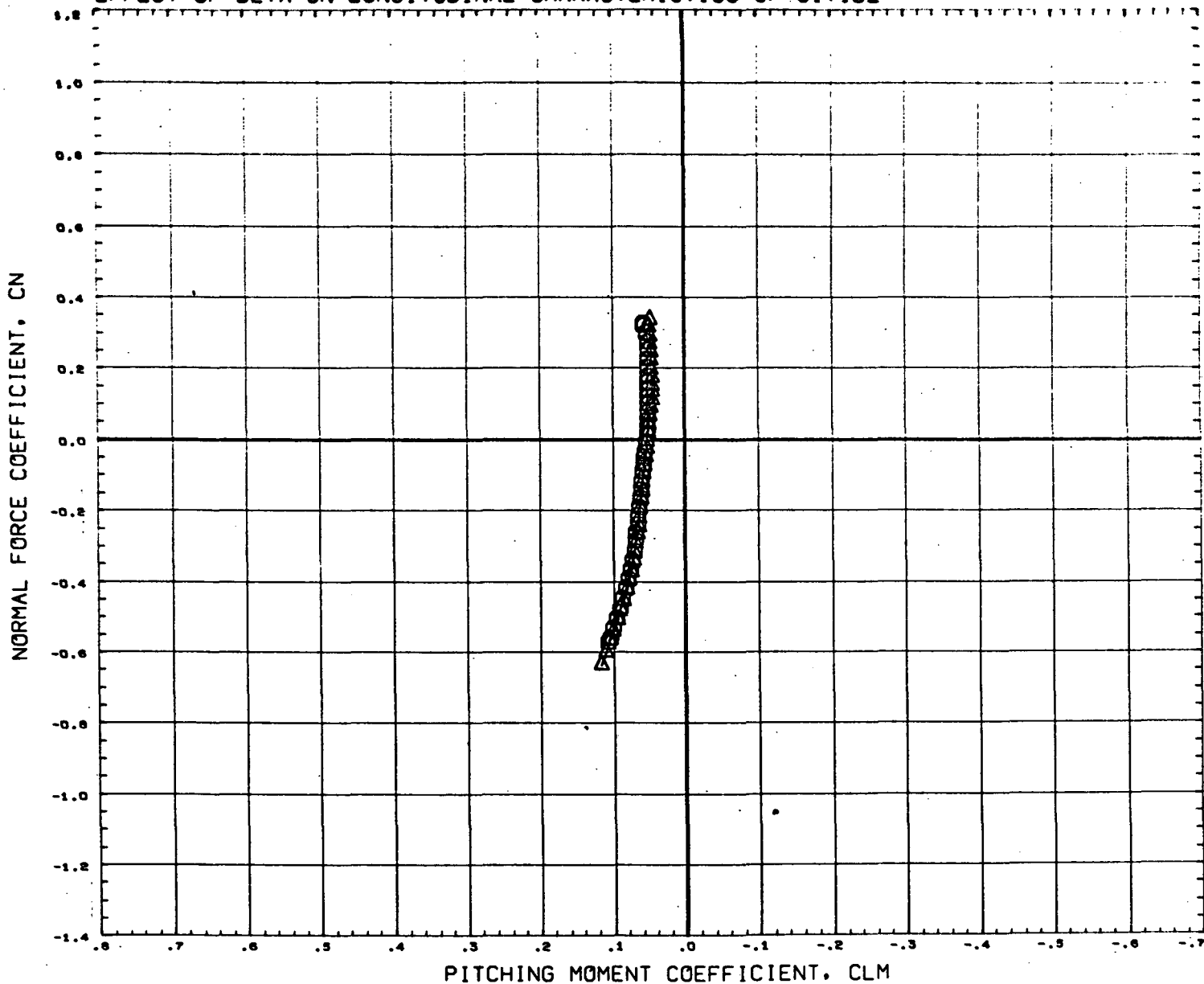
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH

1.51

PAGE 337

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7514)  $\Delta$  MDAC S-222 COMPOSITE (T-CG) 01T1B2  
 (CD7515)  $\Delta$  MDAC S-222 COMPOSITE (T-CG) 01T1B2

BETA ELEVTR AILRON RUDDER  
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 6.000 0.000 0.000 0.000

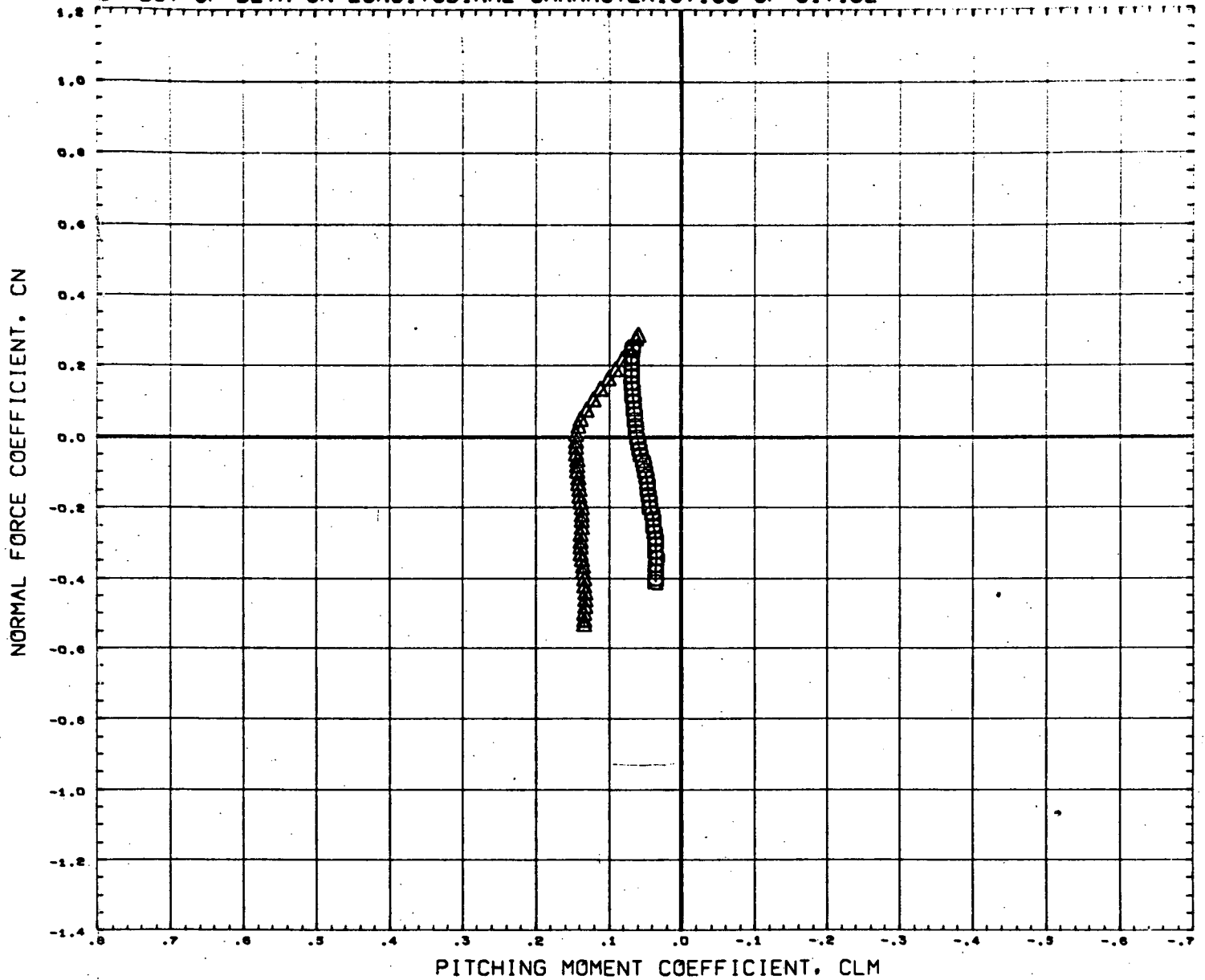
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 LREF 609.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH 2.20

PAGE 338

0.6

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B2



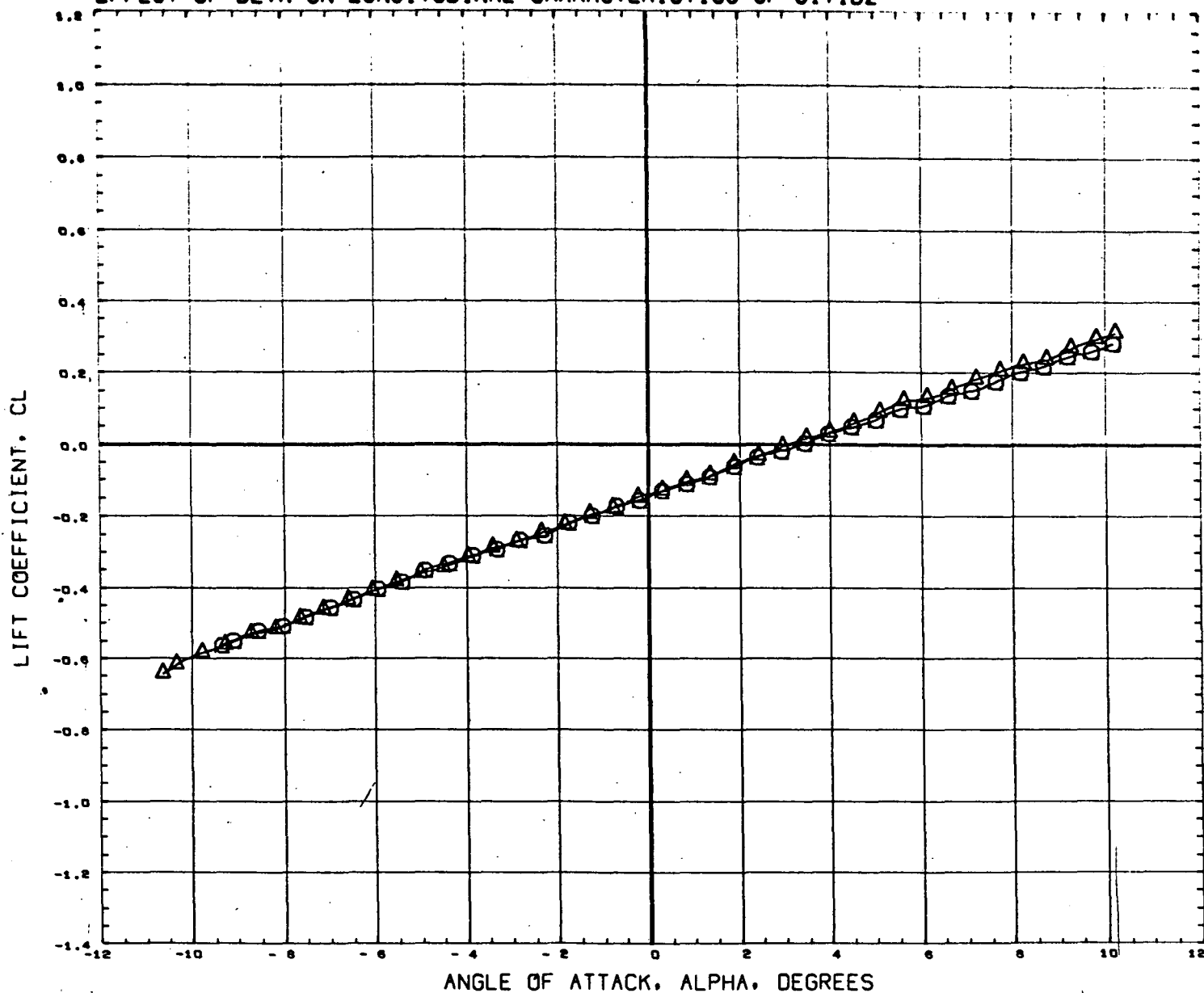
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7514) MDAC S-222 COMPOSITE(T-CG) 011B2  
 (CD7515) MDAC S-222 COMPOSITE(T-CG) 011B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
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6.000	0.000	0.000	0.000	LREF	609.9004 IN.
				BREF	862.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

PAGE 339

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B2



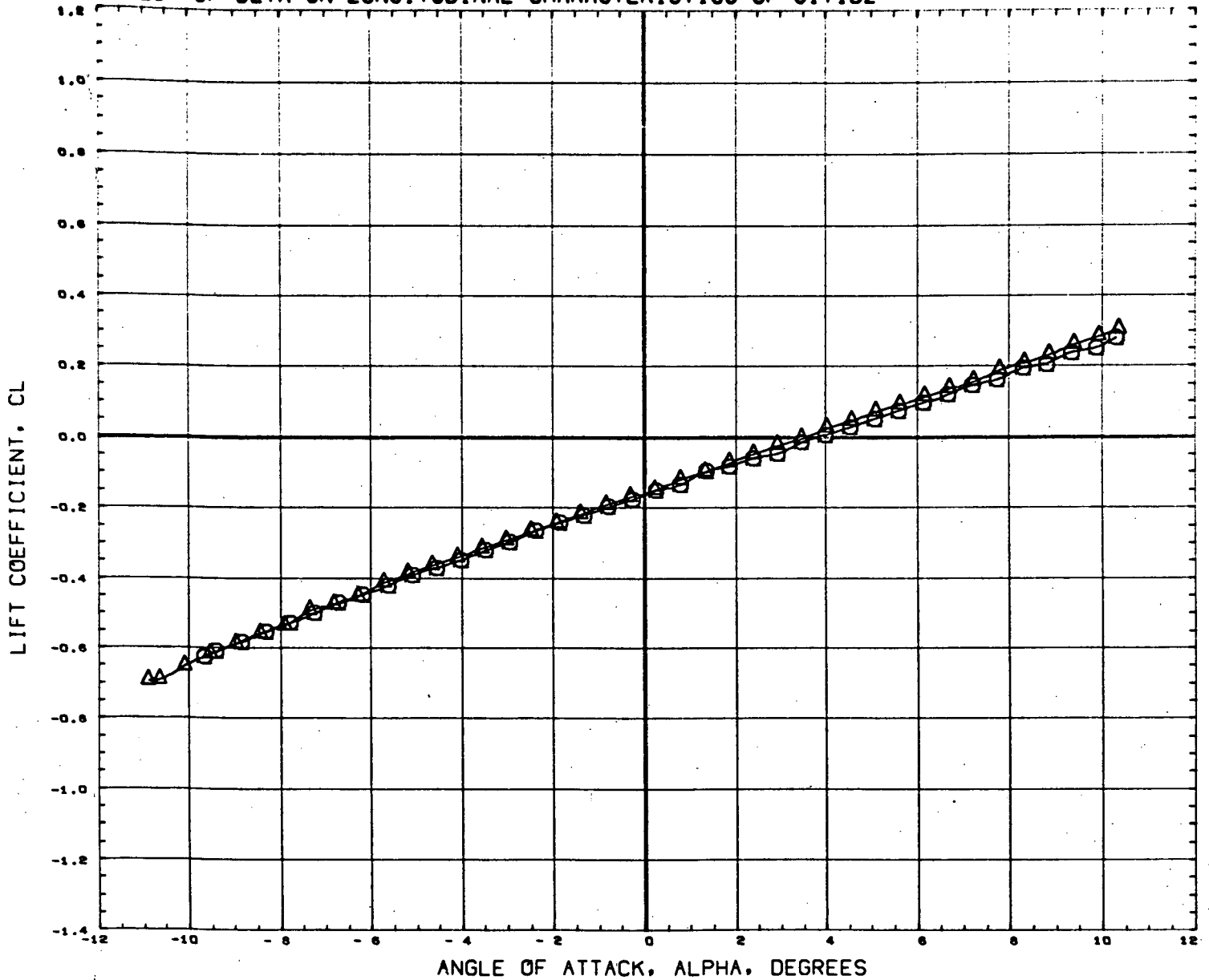
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7514) ○	MDAC S-222 COMPOSITE (T-CG) 011B2
(CD7515) △	MDAC S-222 COMPOSITE (T-CG) 011B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	662.0004	IN.
				XM RP	557.0004	IN.
				YM RP	0.0000	IN.
				ZM RP	200.0004	IN.
				SCALE	0.0060	

MACH .56

PAGE 340

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2



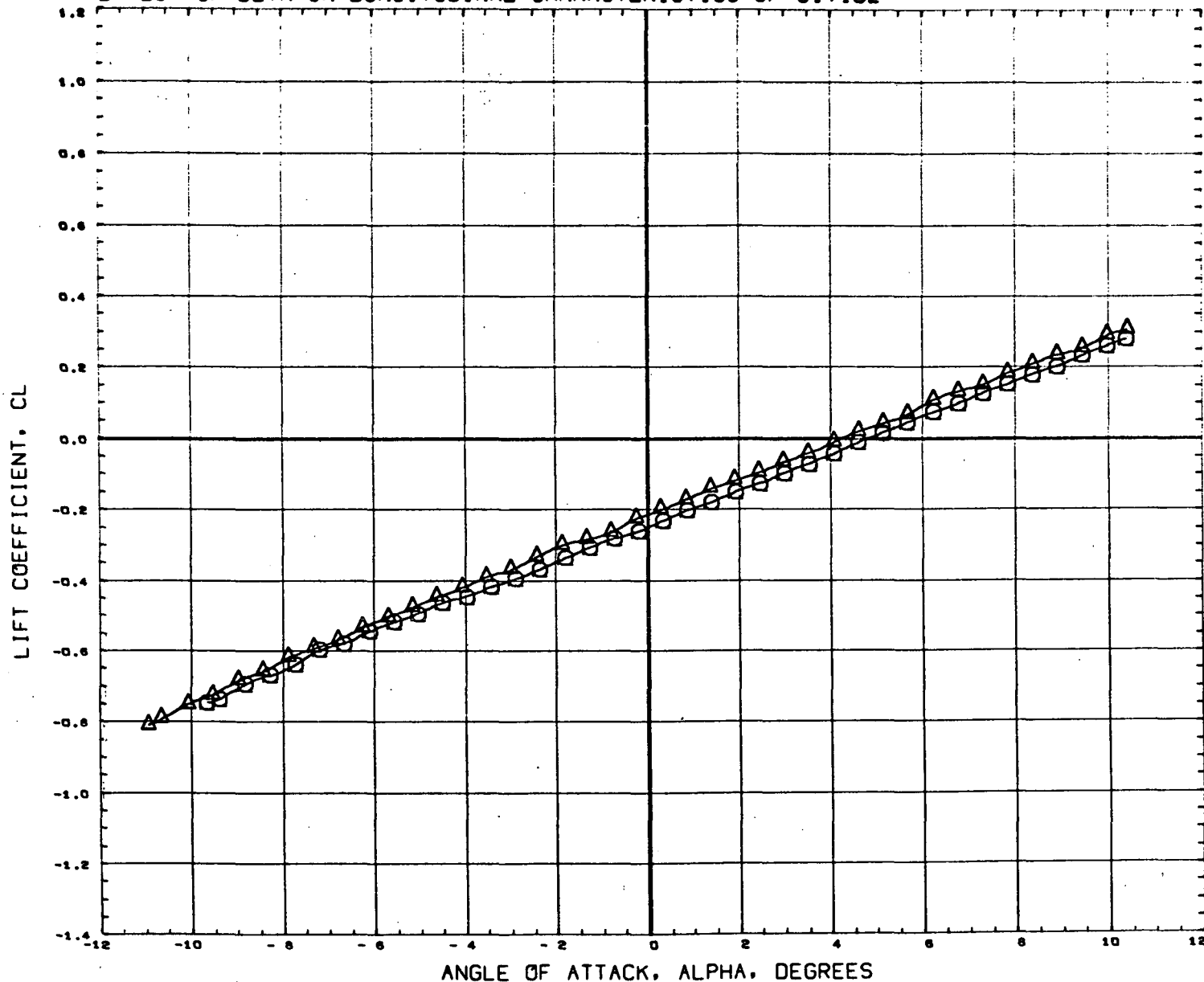
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
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 (CD7515)  $\triangle$  MDAC S-222 COMPOSITE (T-CG) 01T1B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

PAGE 341

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2



DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7514)    ○    MDAC S-222 COMPOSITE (T-CG) 01T1B2  
 (CD7515)    △    MDAC S-222 COMPOSITE (T-CG) 01T1B2

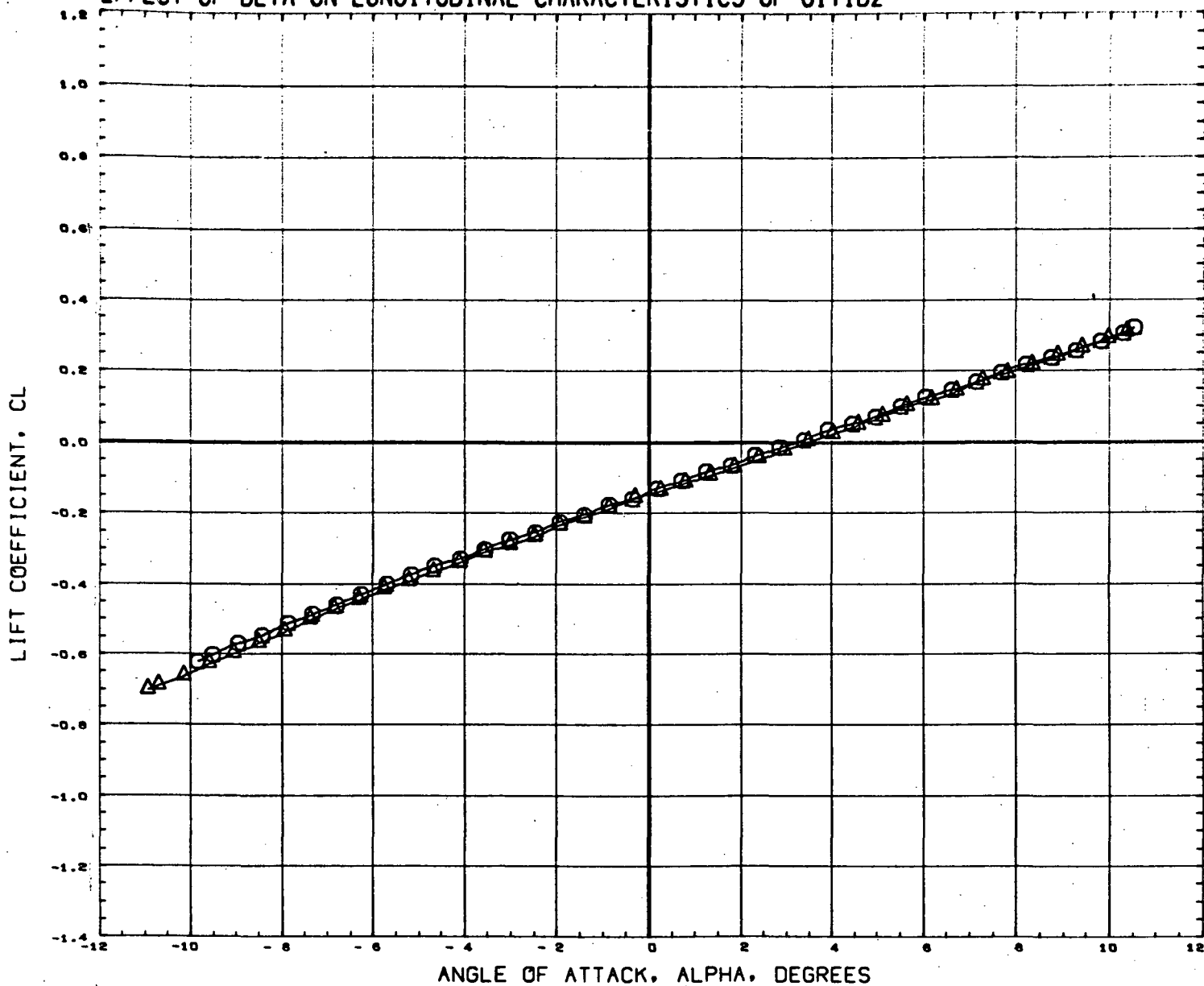
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
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6.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	862.0004	IN.
				XMRP	337.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH        1.08

PAGE    342



# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7514) Q MDAC S-222 COMPOSITE (T-CG) 01T1B2  
 (CD7515) Q MDAC S-222 COMPOSITE (T-CG) 01T1B2

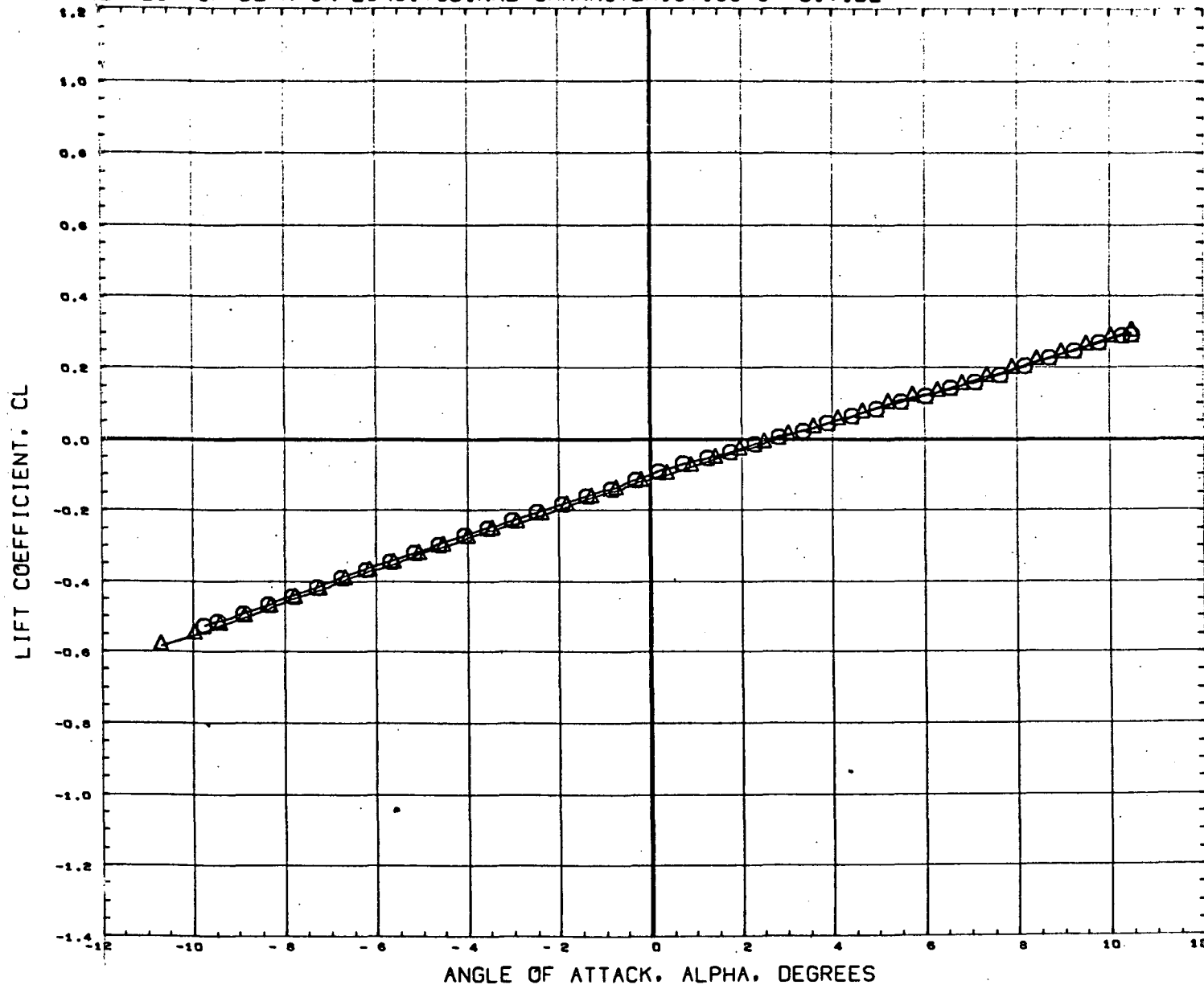
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
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6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	662.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH

1.51

PAGE 343

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B2



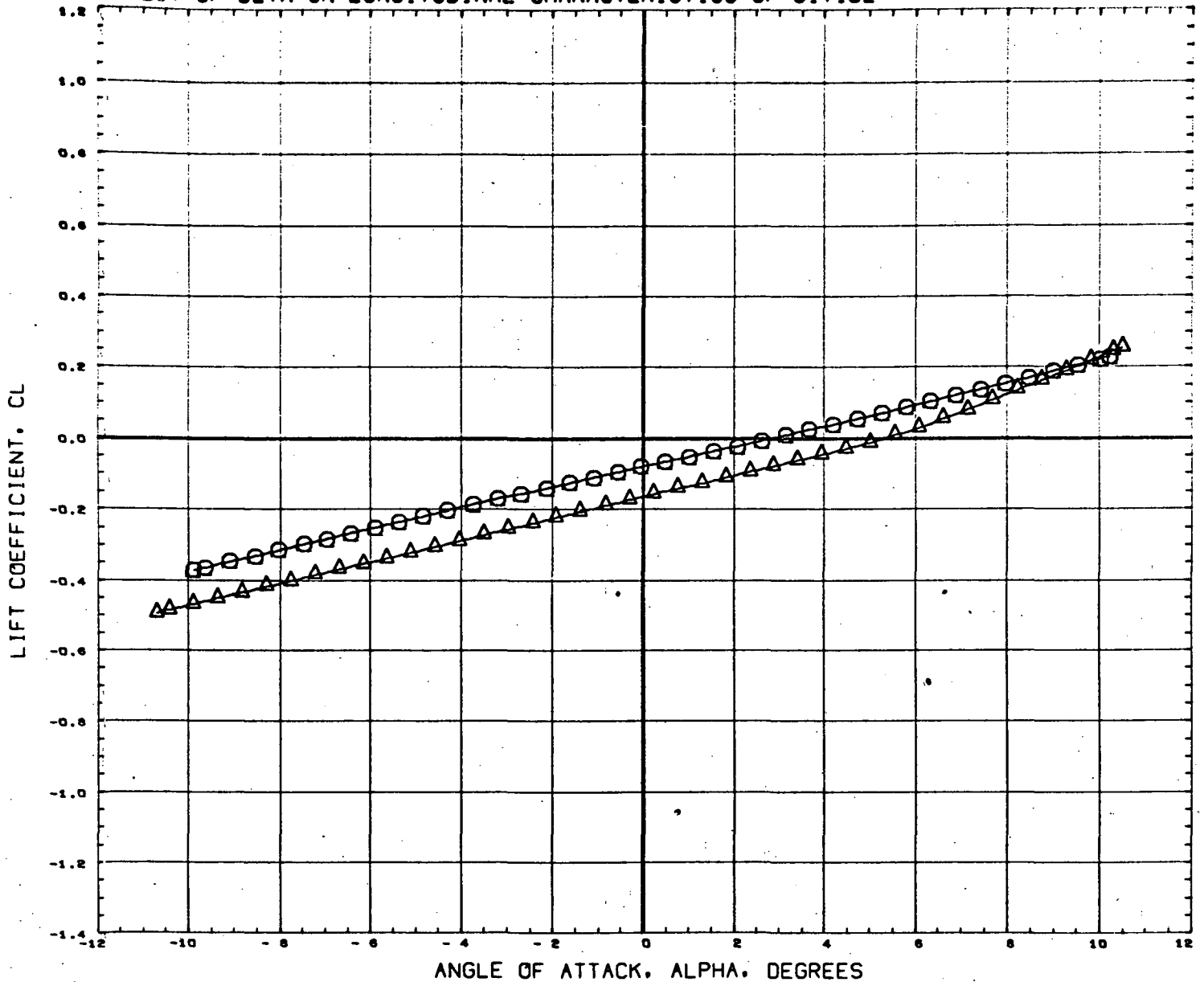
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 (C07514) MDAC S-222 COMPOSITE (T-CG) 011B2  
 (C07515) MDAC S-222 COMPOSITE (T-CG) 011B2

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0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

PAGE 344

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B2



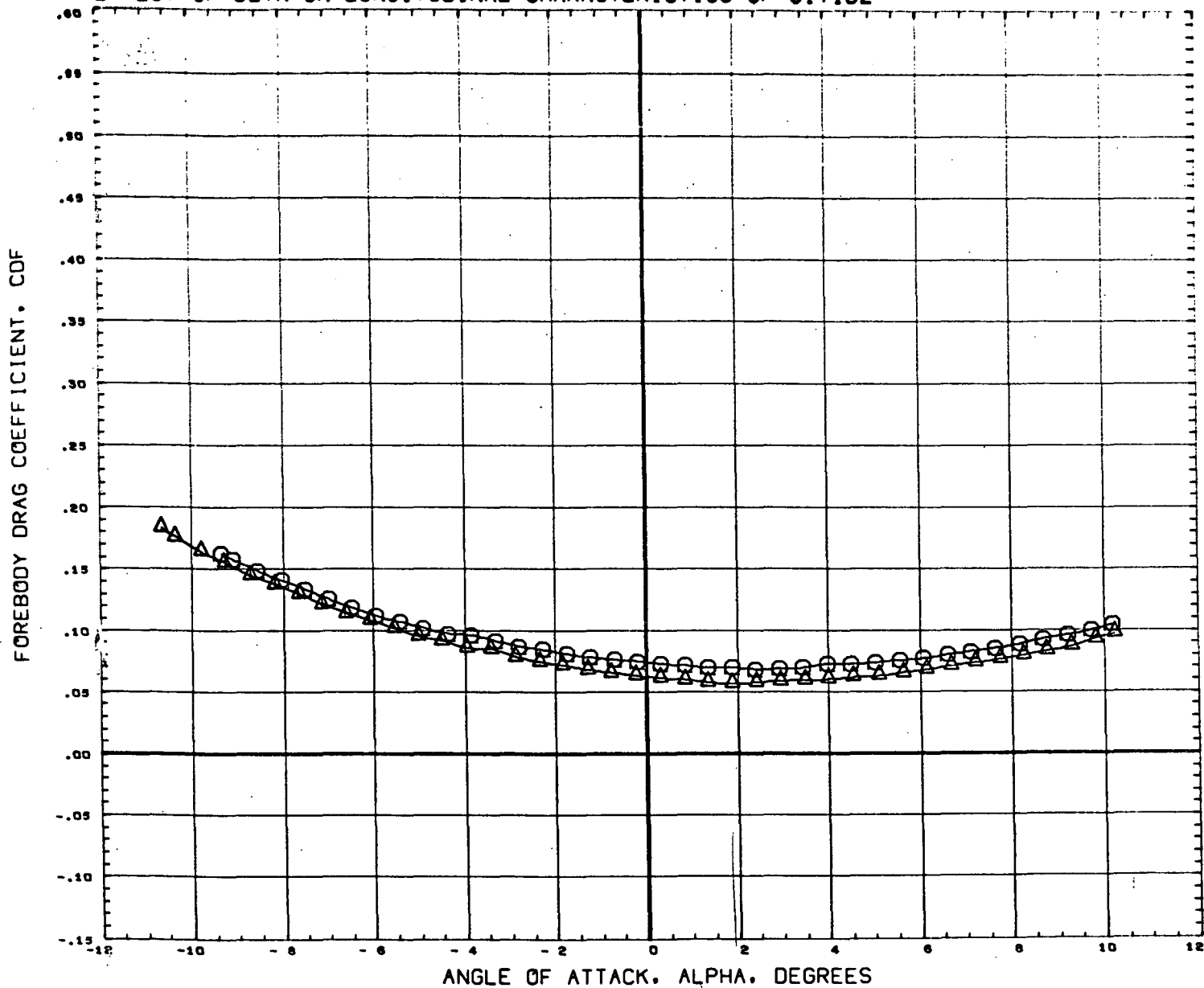
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 (CD7515) MDAC S-222 COMPOSITE (T-CG) 011B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
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6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

PAGE 345

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B2



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7514) MDAC S-222 COMPOSITE (T-CG) 011B2  
 (CD7515) MDAC S-222 COMPOSITE (T-CG) 011B2

BETA ELEVTR AILRON RUDDER  
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 6.000 0.000 0.000 0.000

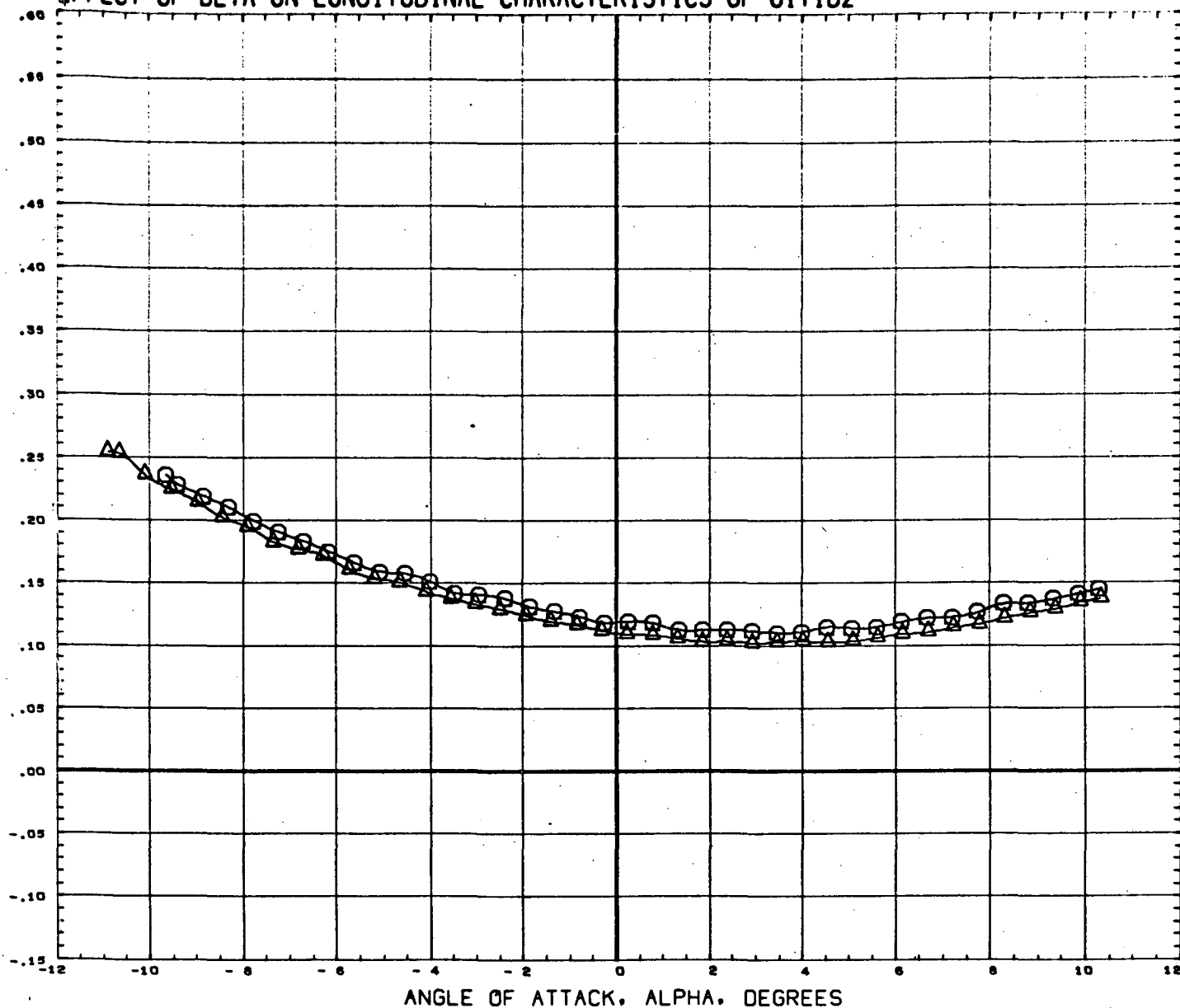
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 LREF 609.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 937.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH .56

PAGE 346

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T182

FOREBODY DRAG COEFFICIENT, COF



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(C07514) MDAC S-222 COMPOSITE (T-CG) 01T182  
(C07515) MDAC S-222 COMPOSITE (T-CG) 01T182

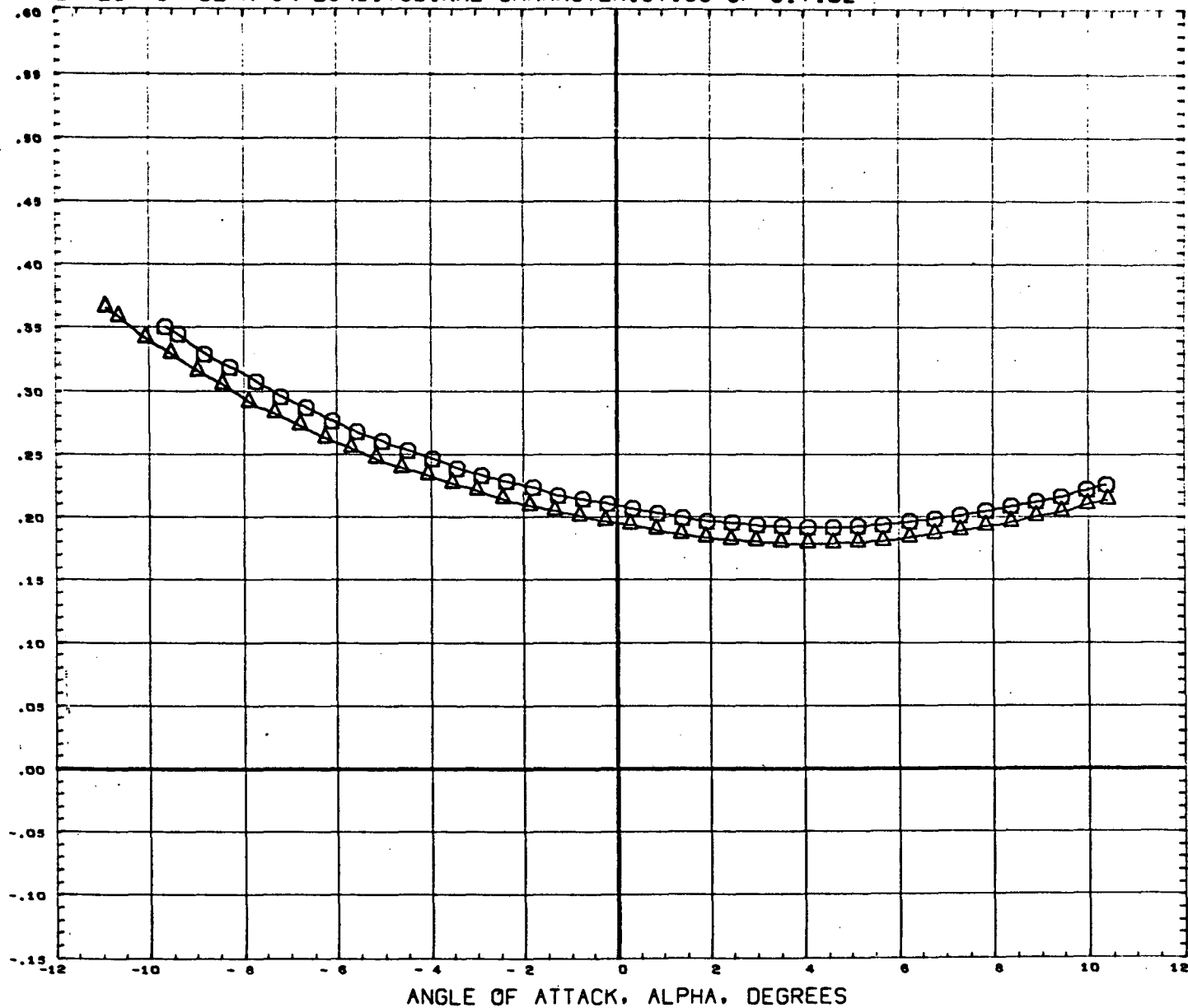
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
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6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

PAGE 347

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7514) MDAC S-222 COMPOSITE (T-CG) 01T1B2  
 (CD7515) MDAC S-222 COMPOSITE (T-CG) 01T1B2

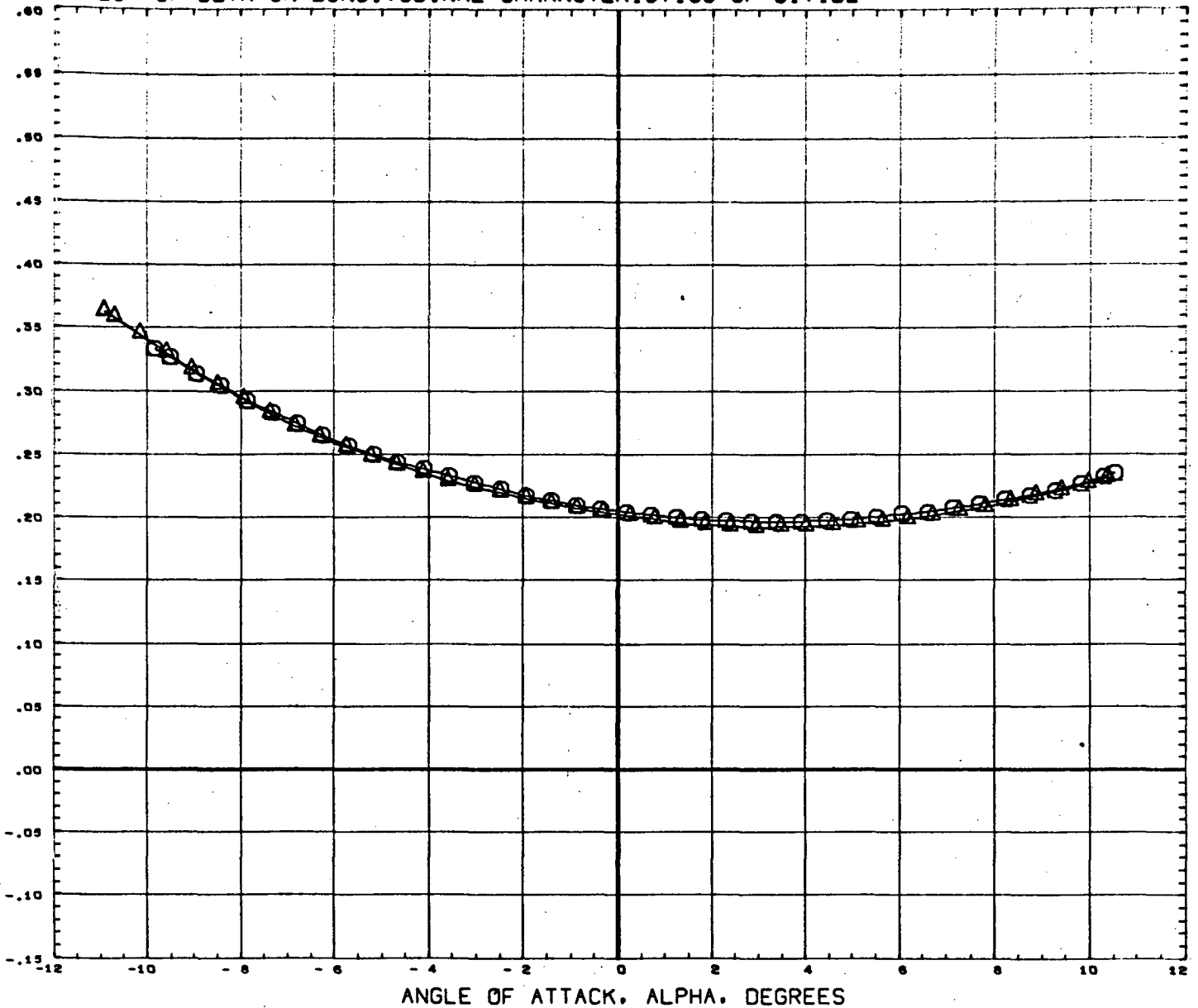
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
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6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.08

PAGE 348

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7514) MDAC S-222 COMPOSITE (T-CG) 01T1B2  
 (CD7515) MDAC S-222 COMPOSITE (T-CG) 01T1B2

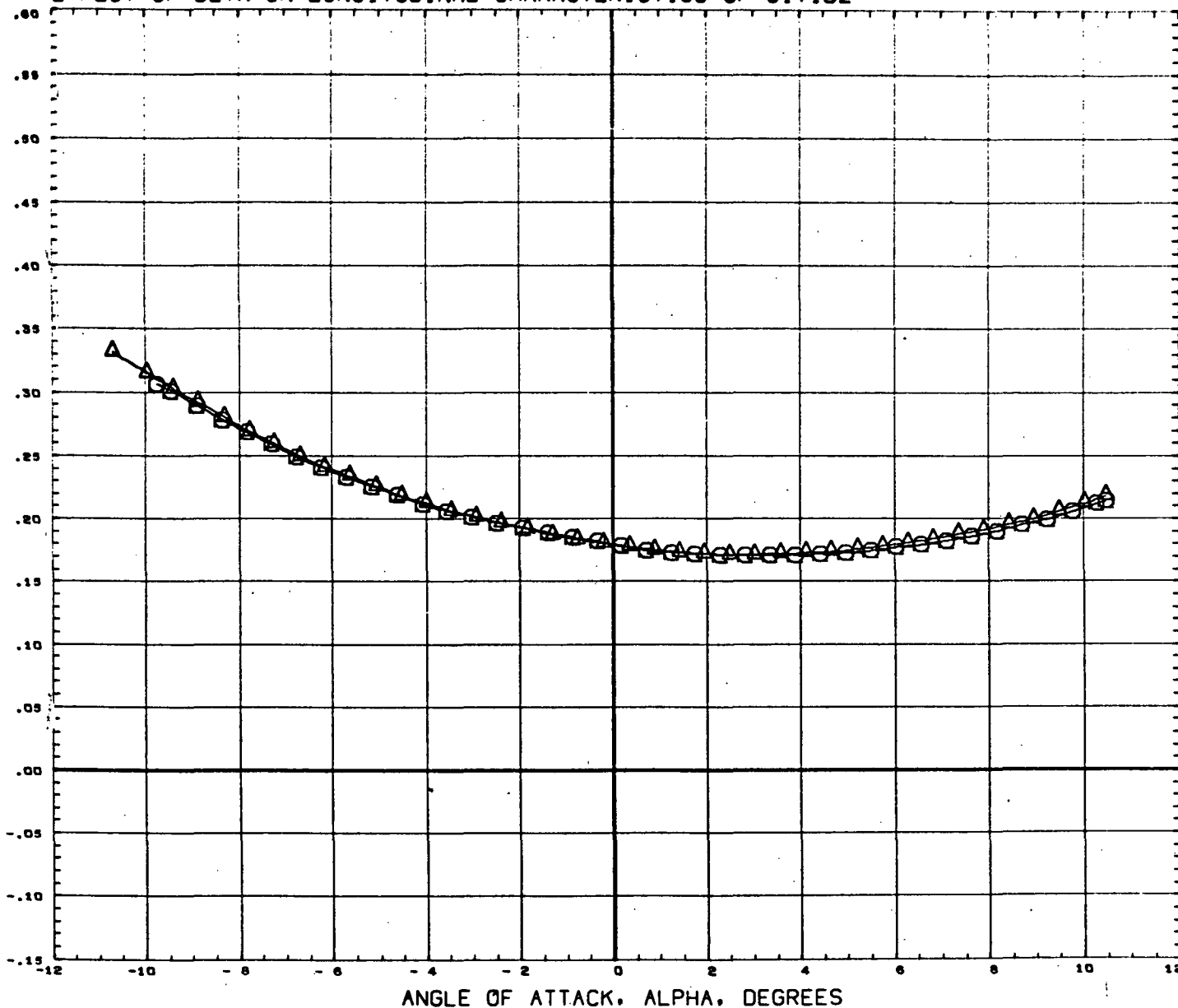
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
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0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 349

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7514) $\square$	MDAC S-222 COMPOSITE(T-CG) 01T1B2
(CD7515) $\triangle$	MDAC,S-222 COMPOSITE(T-CG) 01T1B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

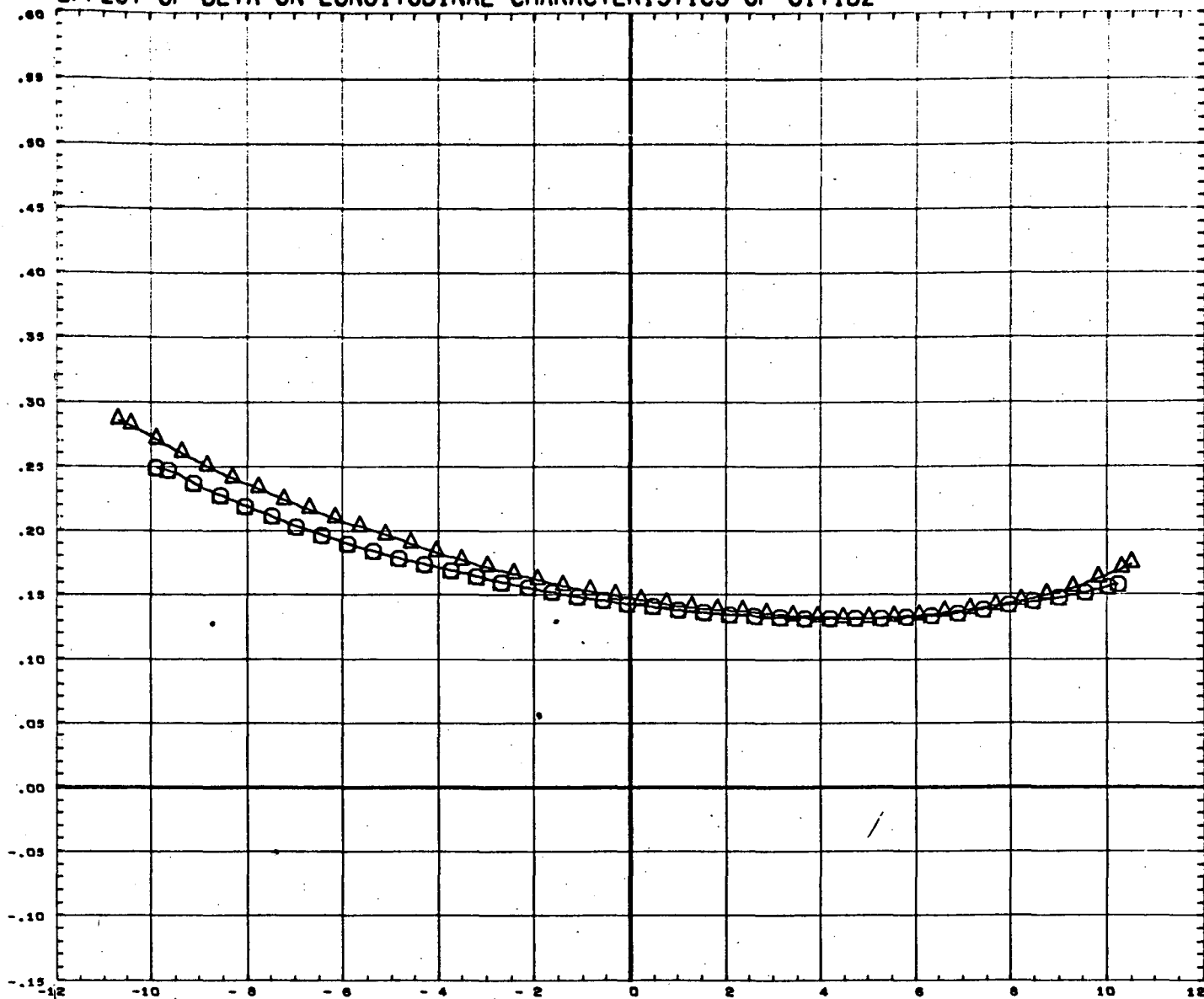
MACH 2.20

PAGE 350



# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2

FOREBODY DRAG COEFFICIENT, CDF



ANGLE OF ATTACK, ALPHA, DEGREES

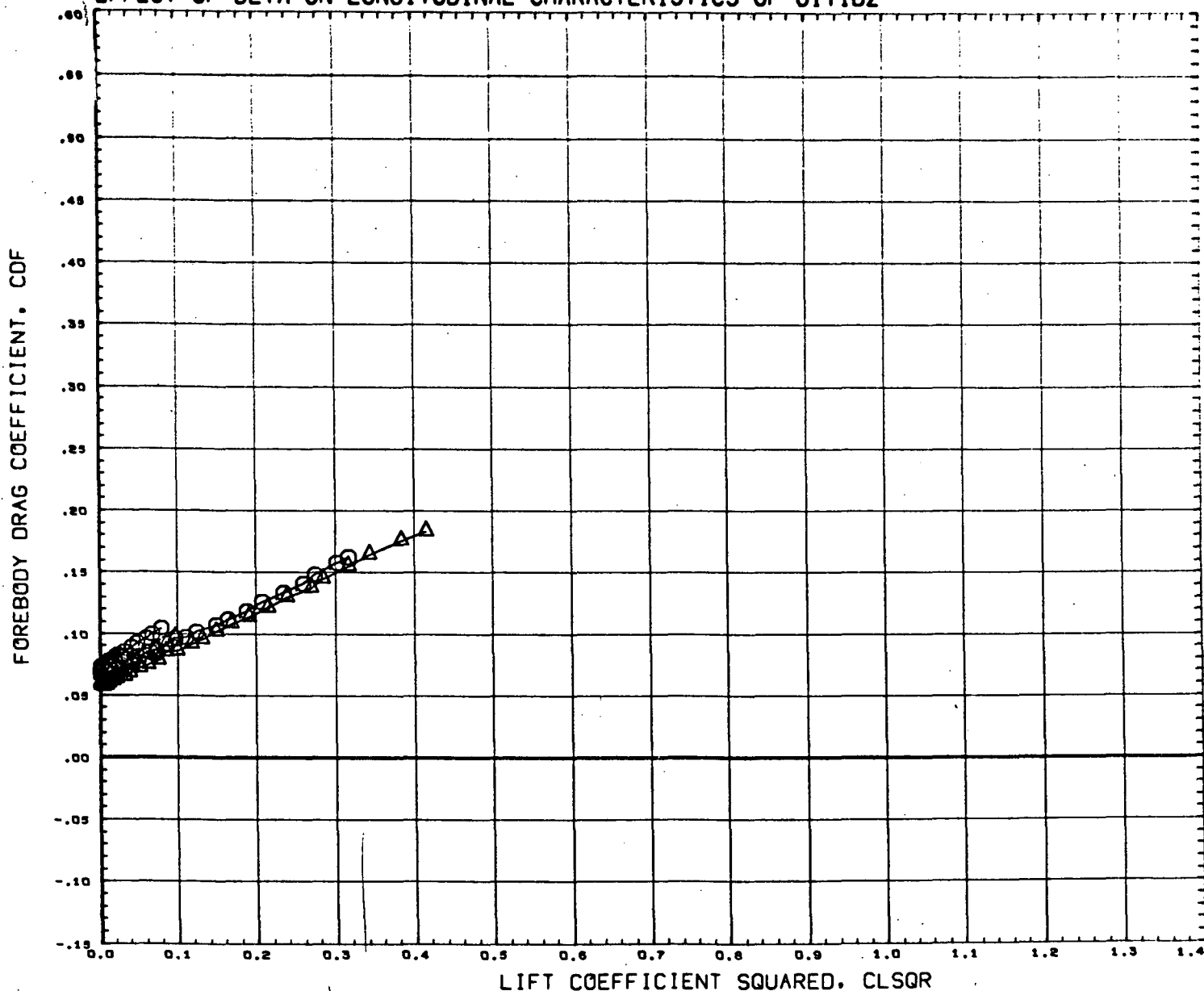
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7514) MDAC S-222 COMPOSITE (T-CG) 01T1B2  
 (CD7515) MDAC S-222 COMPOSITE (T-CG) 01T1B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	662.0004 IN.
				XMRP	597.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

PAGE 351

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2



LIFT COEFFICIENT SQUARED, CLSQ

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7514)  $\bigcirc$  MDAC S-222 COMPOSITE (T-CG) 01T1B2  
 (CD7515)  $\triangle$  MDAC S-222 COMPOSITE (T-CG) 01T1B2

BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 6.000 0.000 0.000 0.000

REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
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 BREF 862.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

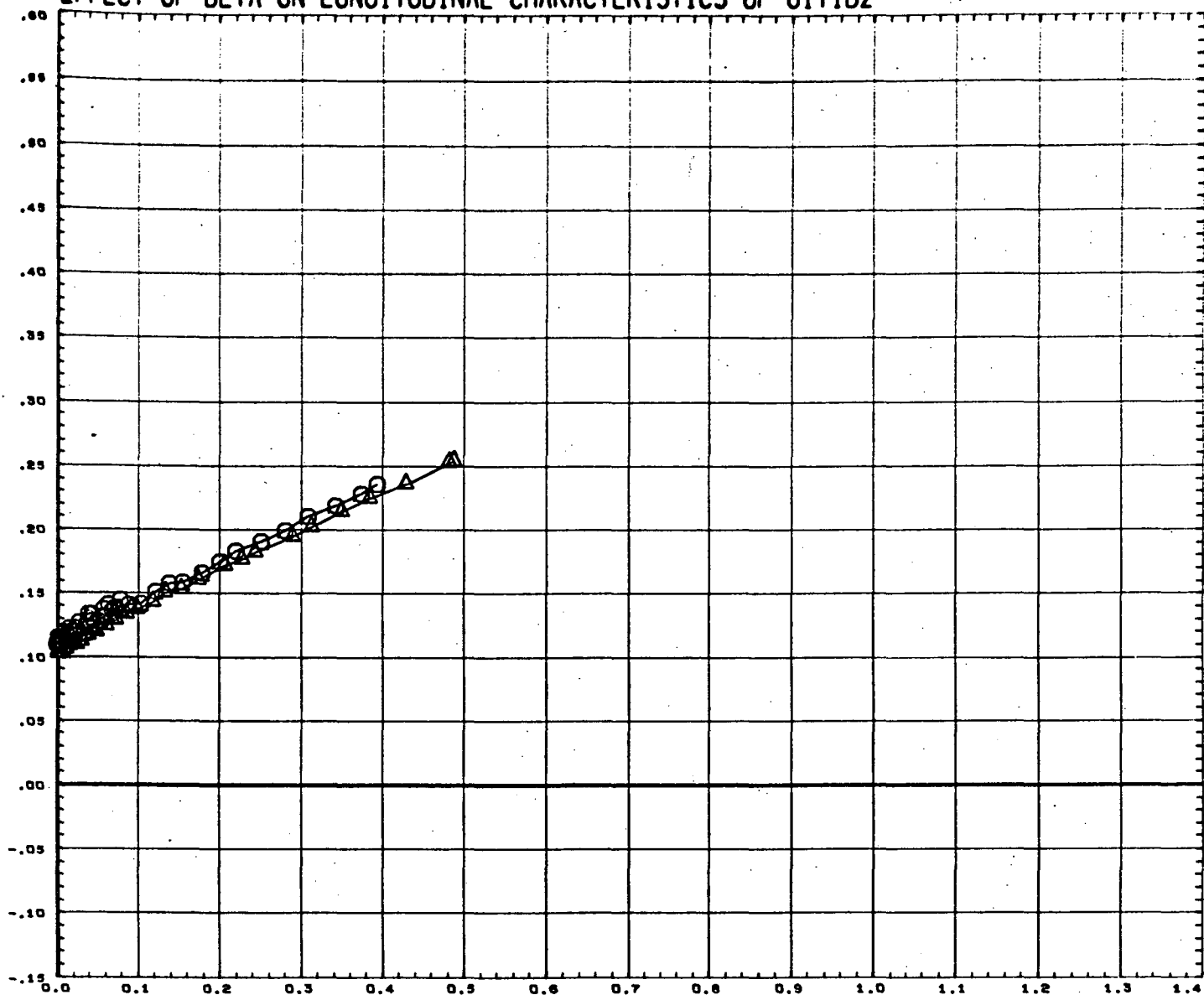
MACH

.56

PAGE 352

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQ

DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7514)    ○    MDAC S-222 COMPOSITE (T-CG) 01T1B2  
 (CD7515)    △    MDAC S-222 COMPOSITE (T-CG) 01T1B2

BETA    ELEVTR    AILRON    RUDDER  
 0.000    0.000    0.000    0.000  
 6.000    0.000    0.000    0.000

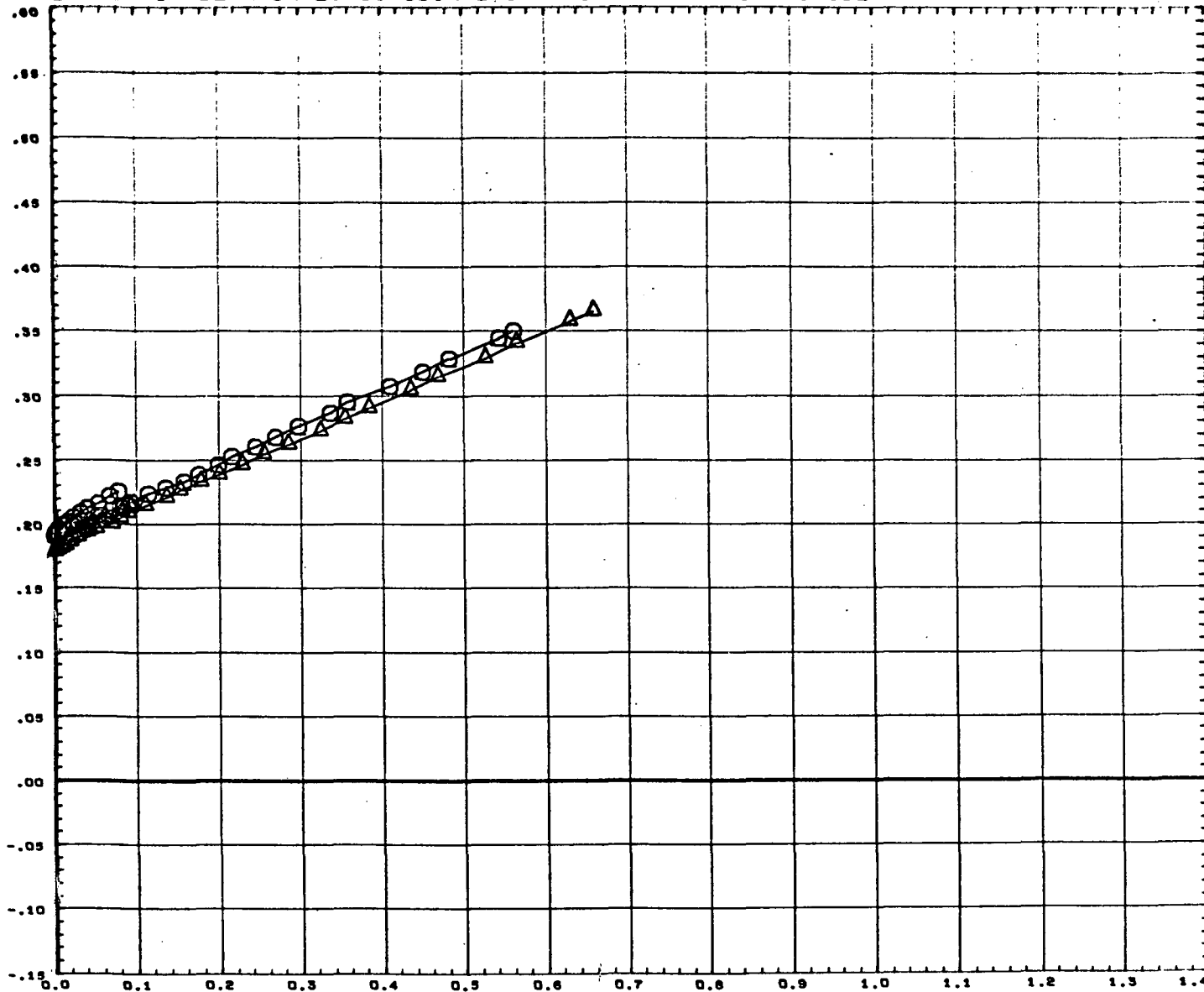
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 LREF    609.5004    IN.  
 BREF    662.0004    IN.  
 XMRP    557.0004    IN.  
 YMRP    0.0000    IN.  
 ZMRP    200.0004    IN.  
 SCALE    0.0060

MACH    .89

PAGE    353

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQR

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7514) ○	MDAC S-222 COMPOSITE (T-CG) 01T1B2
(CD7515) △	MDAC S-222 COMPOSITE (T-CG) 01T1B2

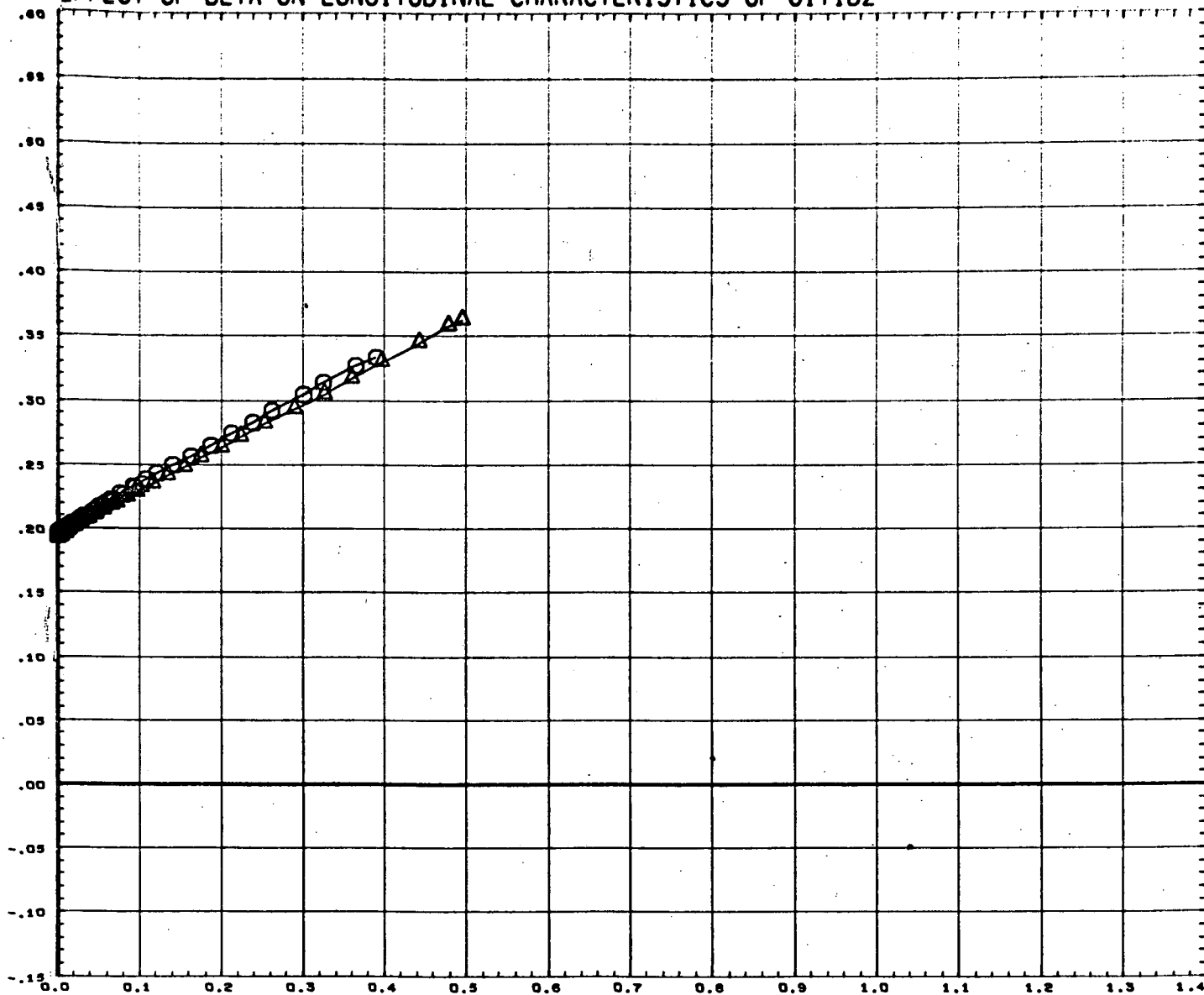
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6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.08

PAGE 354

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQ

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7514)  $\Delta$  MDAC S-222 COMPOSITE(T-CG) 01T1B2  
 (CD7515)  $\Delta$  MDAC S-222 COMPOSITE(T-CG) 01T1B2

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000

REFERENCE INFORMATION

SREF	3155.3040	SQ.FT.
LREF	609.3004	IN.
BREF	682.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

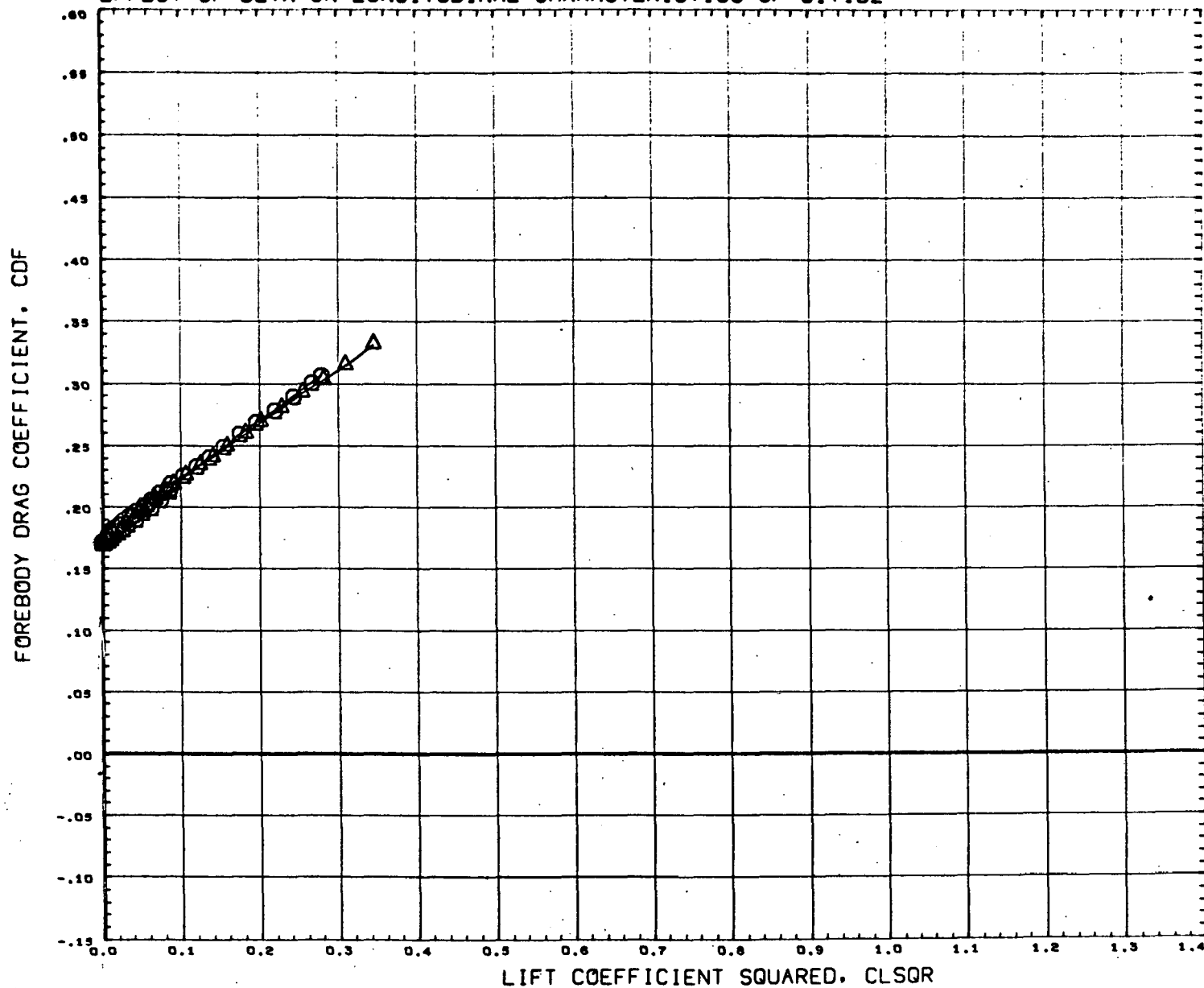
MACH

1.51

PAGE

355

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01182



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7514) ○	MDAC S-222 COMPOSITE (T-CG) 01182
(CD7515) △	MDAC S-222 COMPOSITE (T-CG) 01182

BETA	ELEVTR	AILRON	RUDDER
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6.000	0.000	0.000	0.000

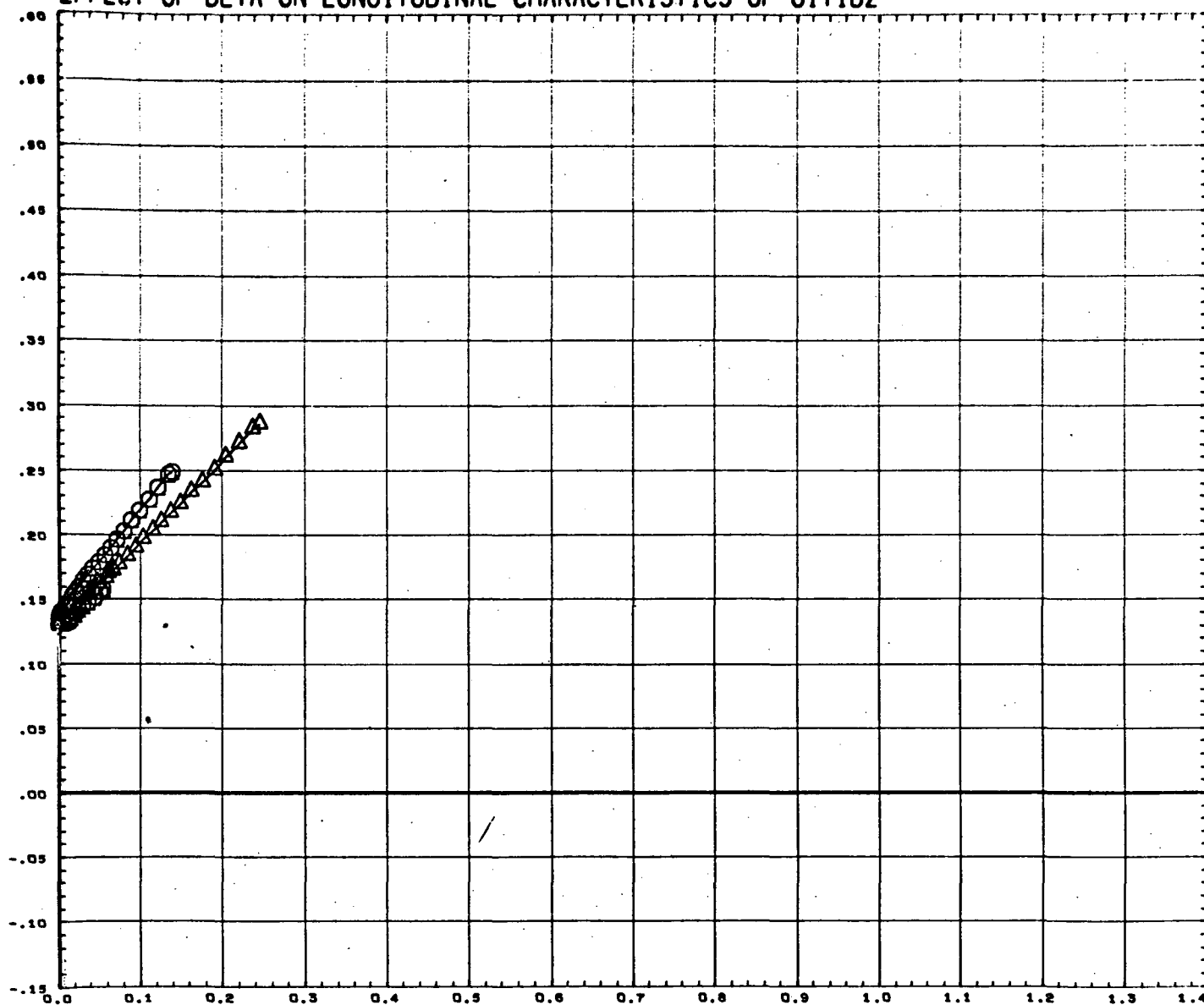
REFERENCE INFORMATION		
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LREF	609.3004	IN.
BREF	662.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH 2.20

PAGE 356

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQR

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7514) MDAC S-222 COMPOSITE(T-CG) 01T1B2  
 (CD7515) MDAC S-222 COMPOSITE(T-CG) 01T1B2

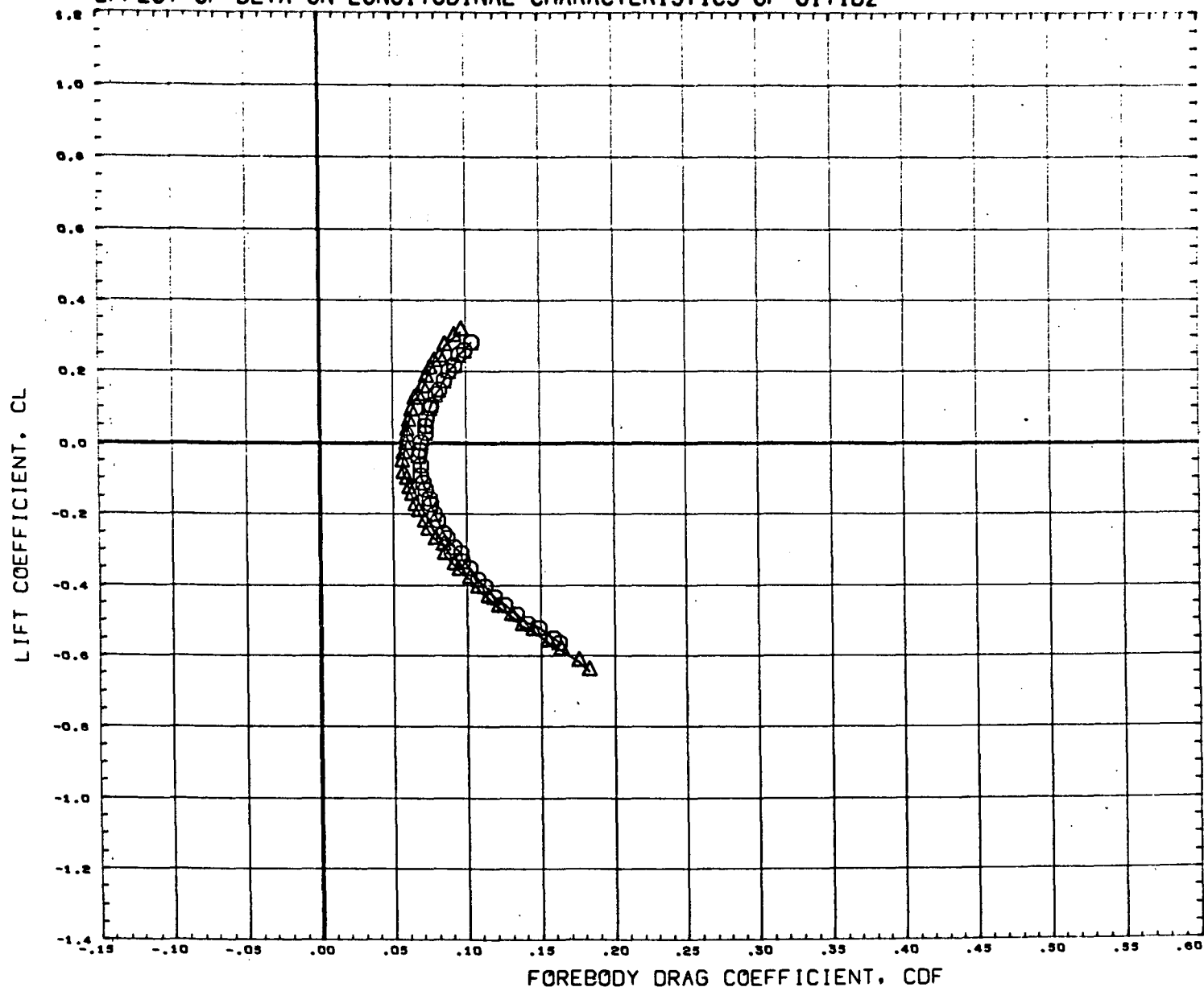
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF 609.5004 IN.
				BREF 882.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060



MACH

4.47

PAGE 357

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7514)  MDAC S-222 COMPOSITE (T-CG) 01T1B2  
 (CD7515)  MDAC S-222 COMPOSITE (T-CG) 01T1B2

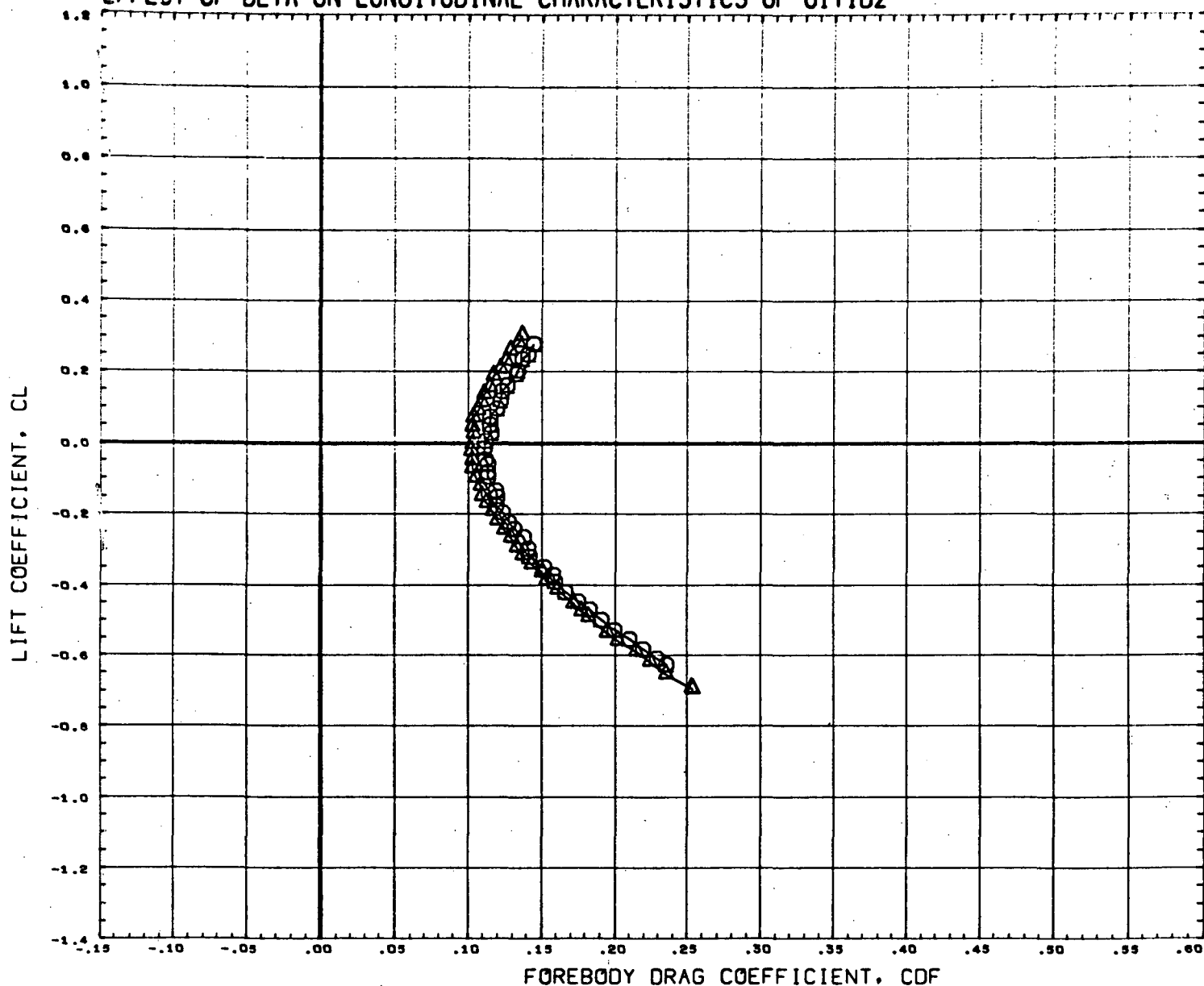
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	862.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .56

PAGE 358



# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T182



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7514) MDAC S-222 COMPOSITE (T-CG) 01T182  
 (CD7515) MDAC S-222 COMPOSITE (T-CG) 01T182

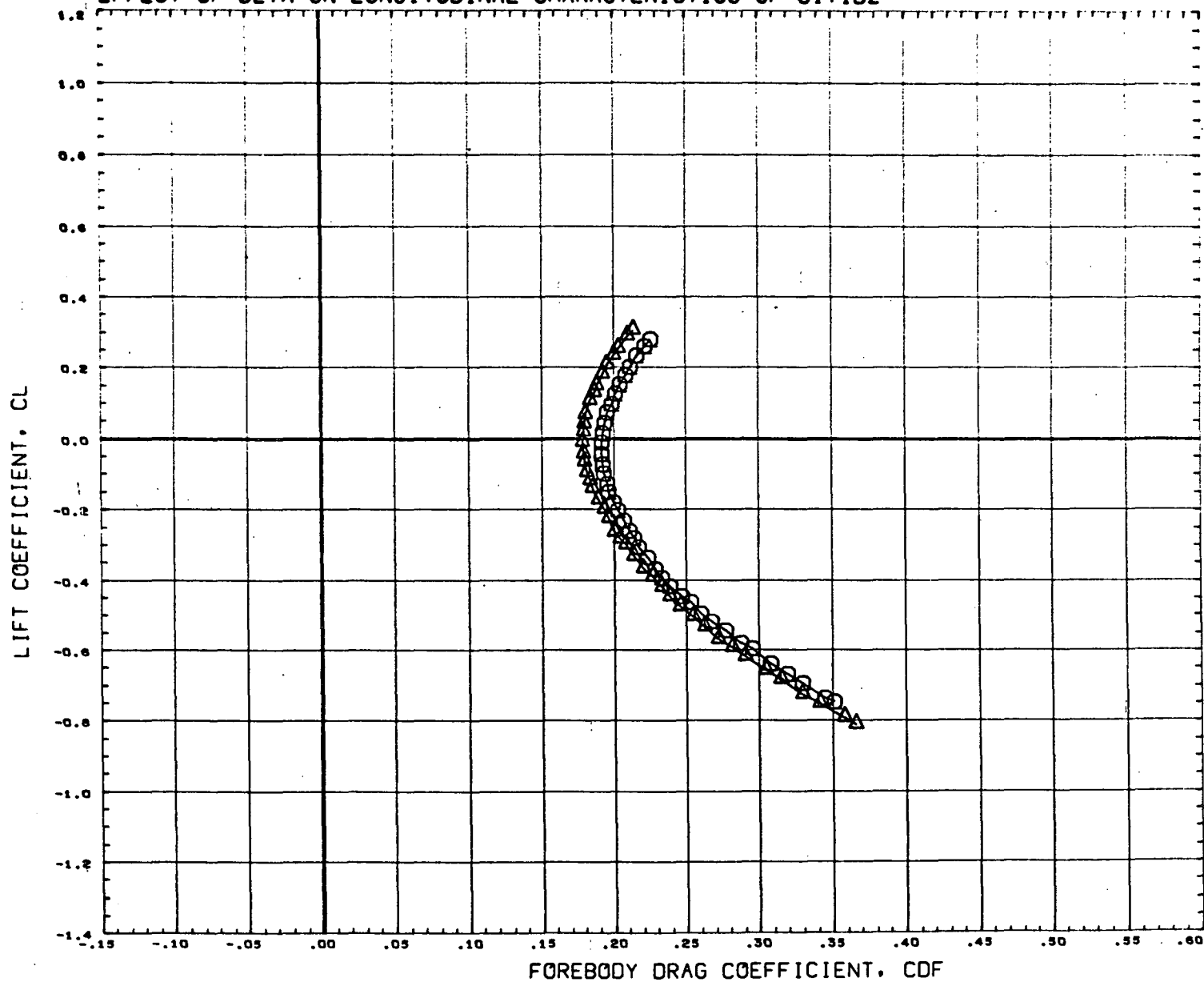
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
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6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH

.89

PAGE 359

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2



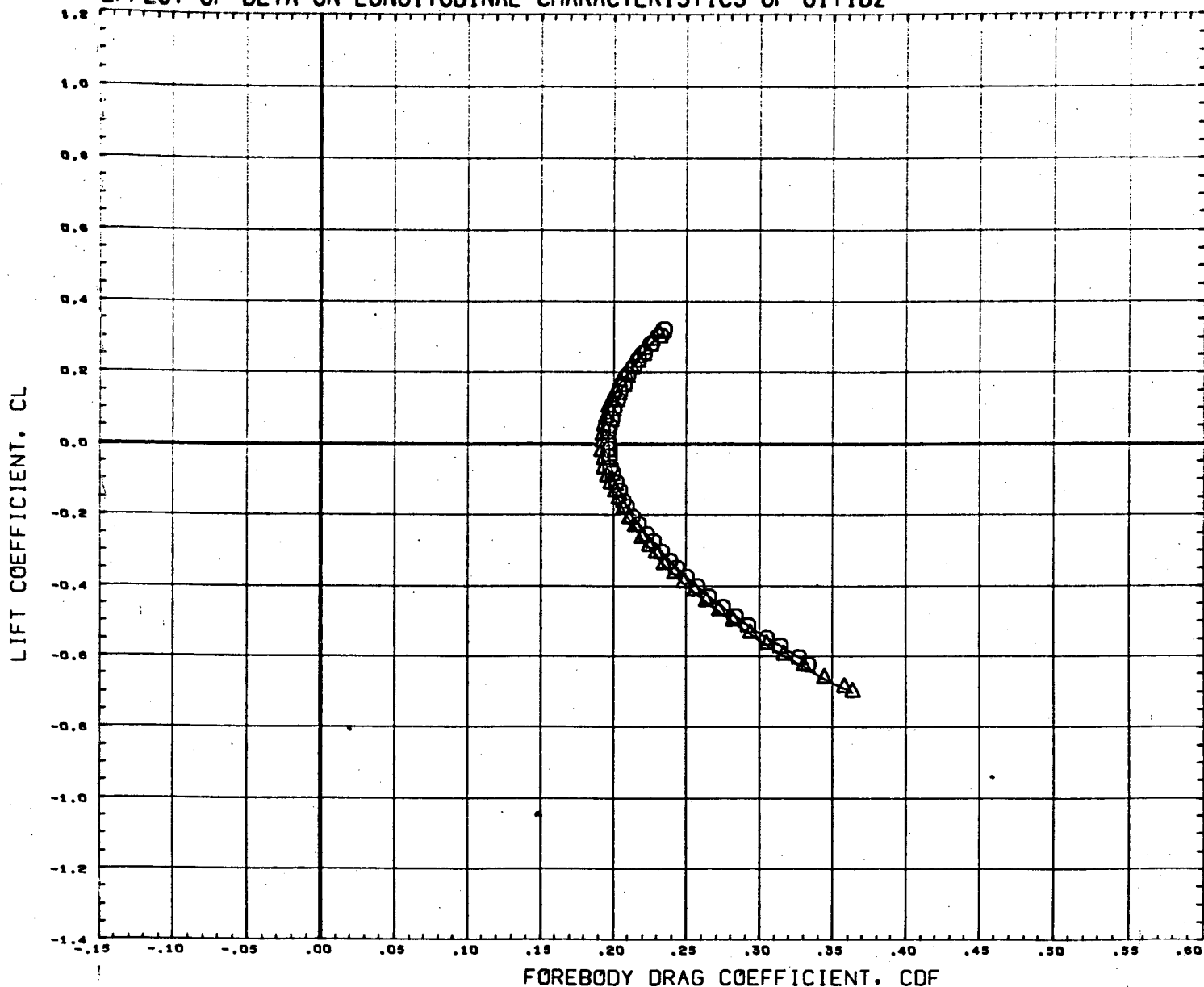
DATA SET SYMBOL      CONFIGURATION DESCRIPTION  
(CD7514)      ○      MDAC S-222 COMPOSITE (T-CG) 01T1B2  
(CD7515)      △      MDAC S-222 COMPOSITE (T-CG) 01T1B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3159.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	957.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH      1.08

PAGE      360

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2



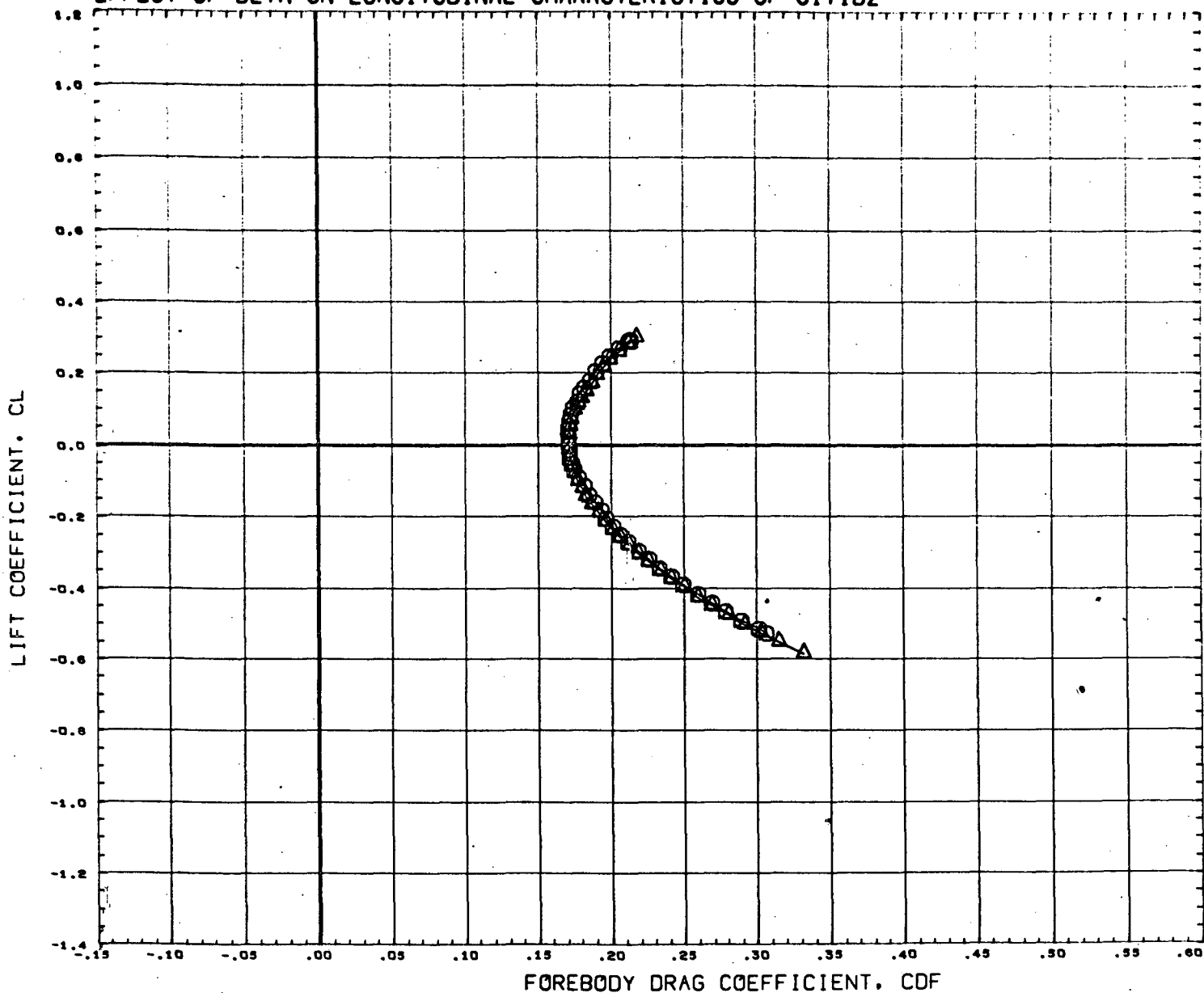
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 (CD7514)  $\Delta$  MDAC S-222 COMPOSITE (T-CG) 01T1B2  
 (CD7515)  $\Delta$  MDAC S-222 COMPOSITE (T-CG) 01T1B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 361

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B2



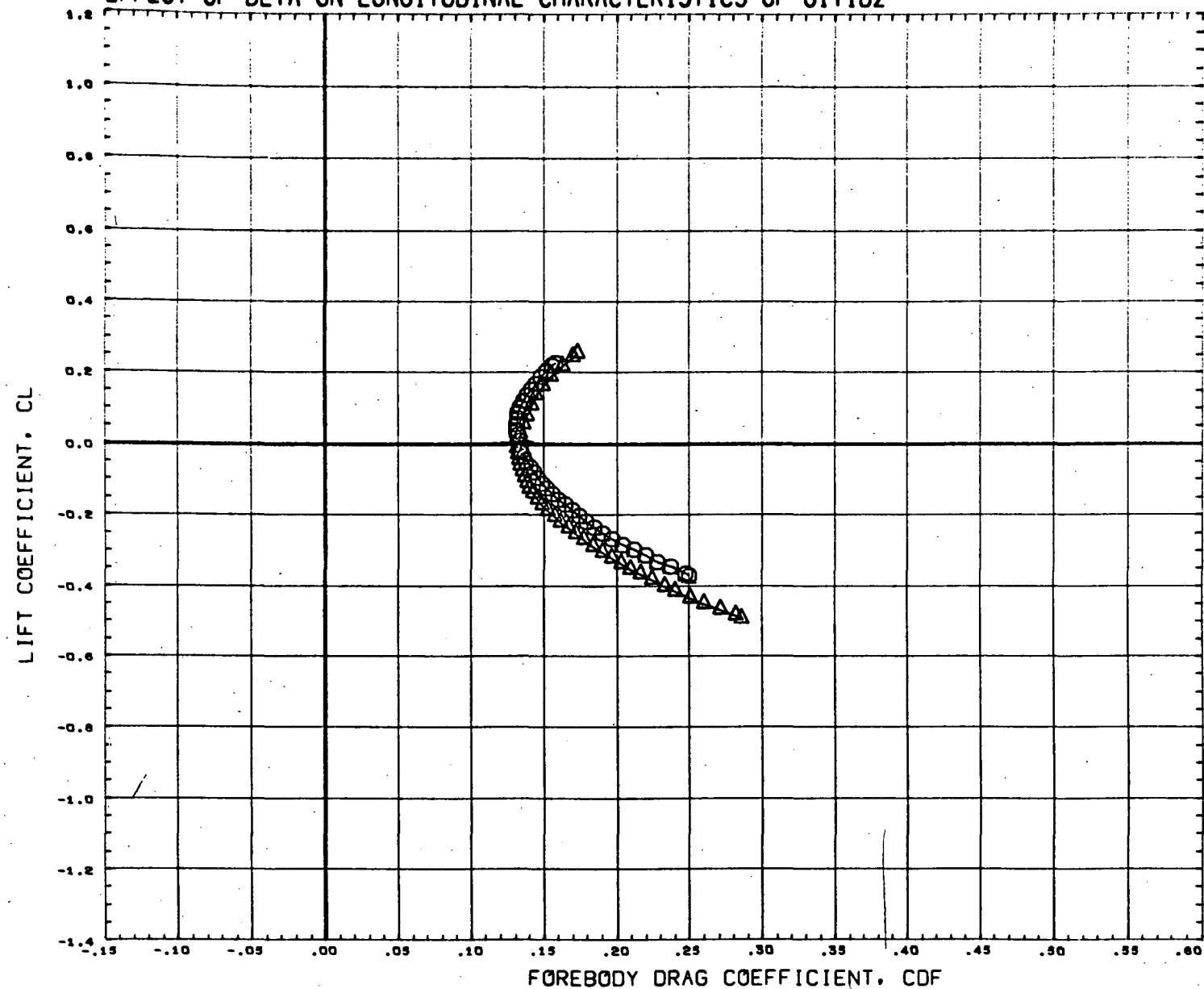
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7514)	MDAC S-222 COMPOSITE (T-CG) 011B2
(CD7515)	MDAC S-222 COMPOSITE (T-CG) 011B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.9004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

PAGE 362

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B2



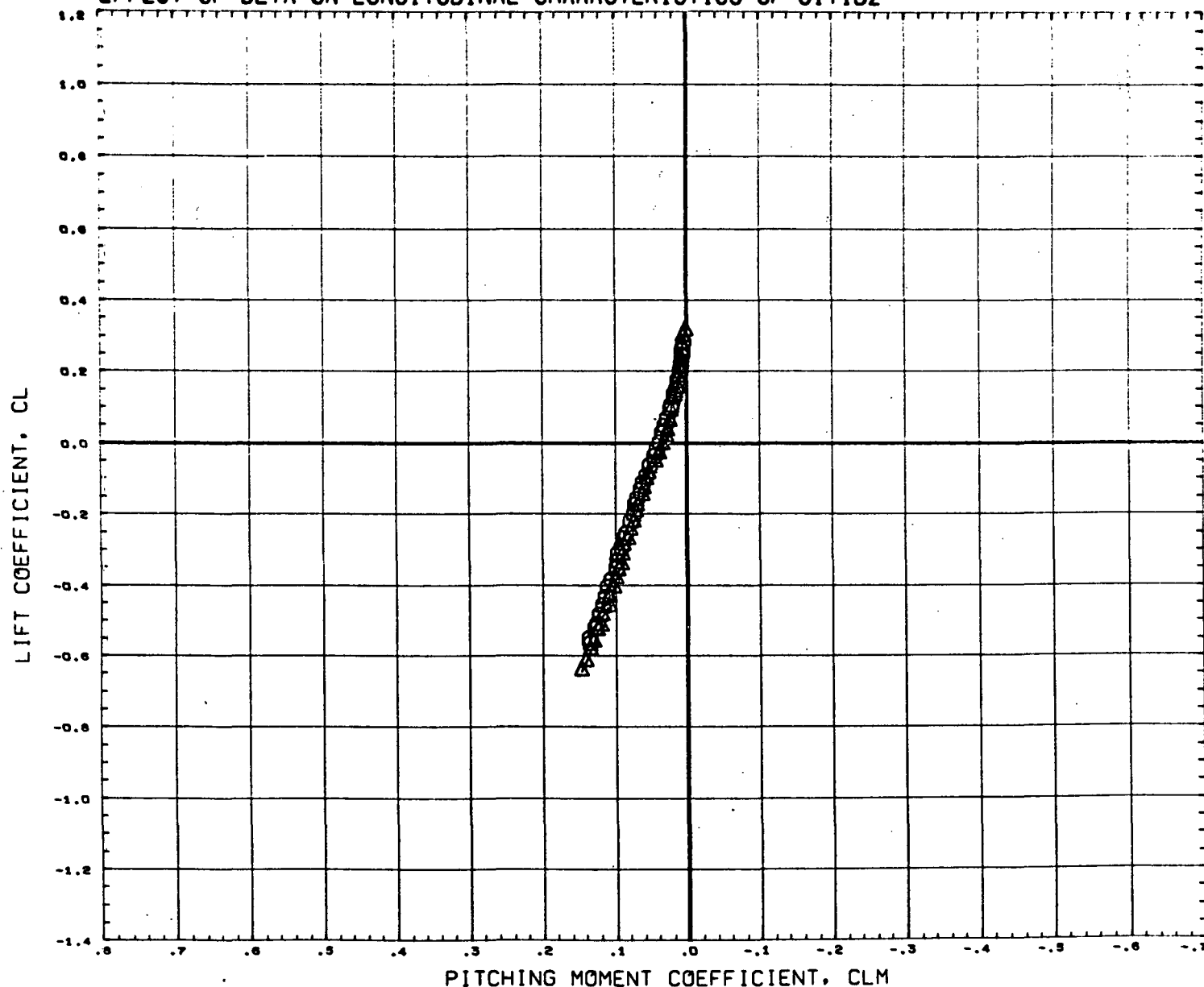
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7514)       MDAC S-222 COMPOSITE (T-CG) 011B2  
 (CD7515)       MDAC S-222 COMPOSITE (T-CG) 011B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.9004 IN.
				BREF	662.0004 IN.
				XMRF	557.0004 IN.
				YMRF	0.0000 IN.
				ZMRF	200.0004 IN.
				SCALE	0.0060

MACH    4.47

PAGE    363

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2

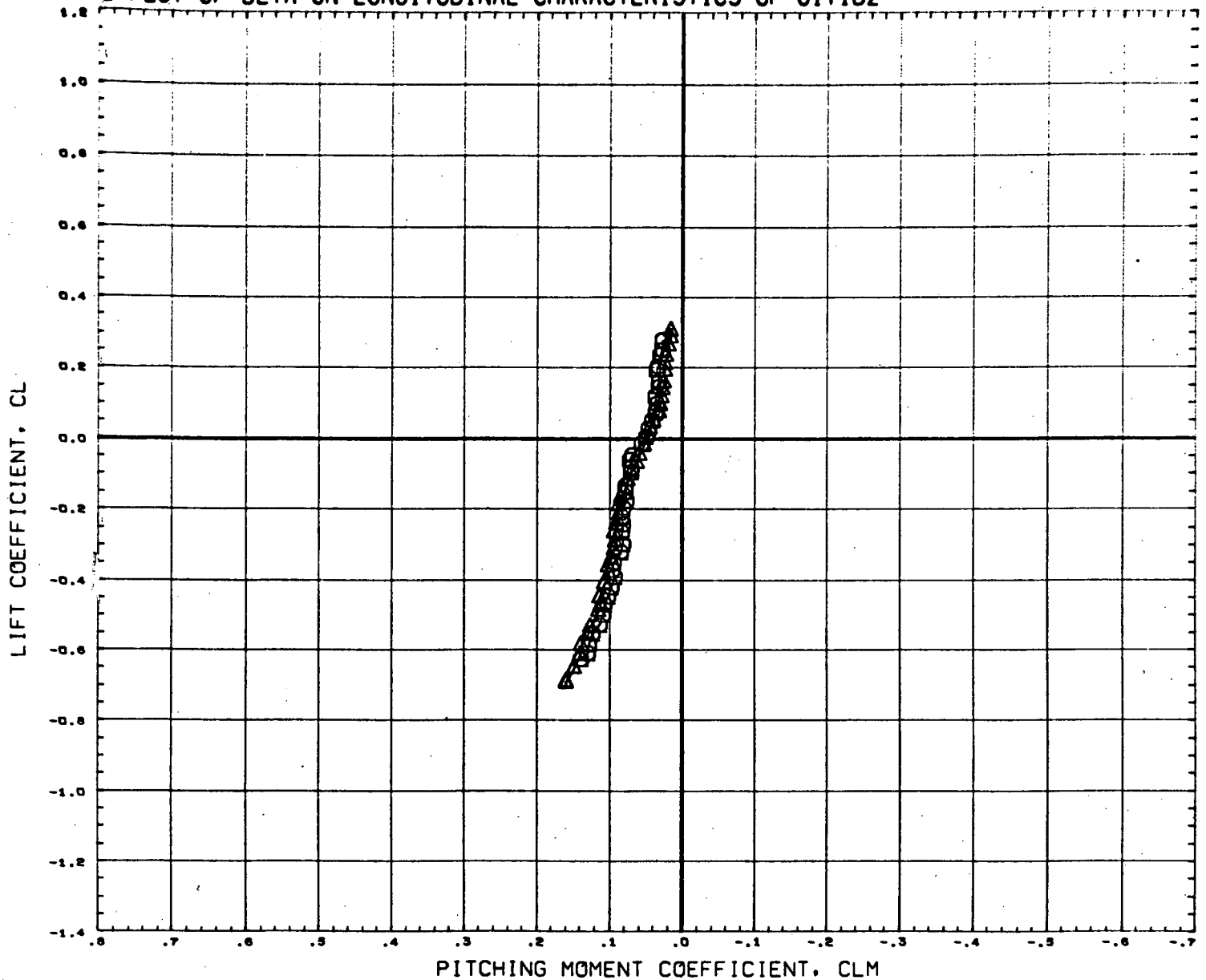


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7514)	MDAC S-222 COMPOSITE(T-CG) 01T1B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7515)	MDAC S-222 COMPOSITE(T-CG) 01T1B2	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .56

PAGE 364

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B2



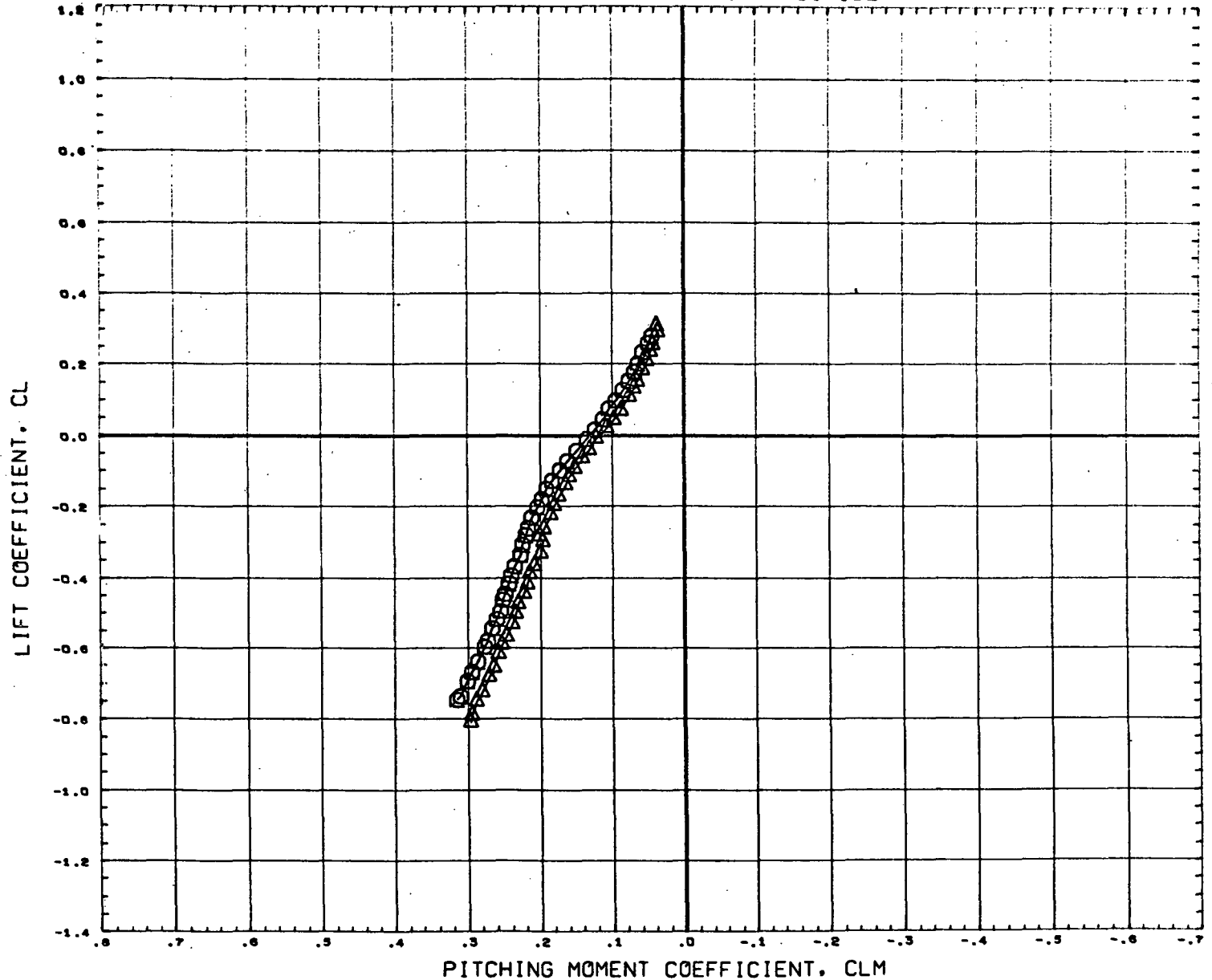
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(CD7514)	Q	MDAC S-222 COMPOSITE (T-CG) 011B2
(CD7515)	Q	MDAC S-222 COMPOSITE (T-CG) 011B2



BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	662.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH : .89

PAGE 365

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T182



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7514) 	MDAC S-222 COMPOSITE (T-CG) 01T182
(CD7515) 	MDAC S-222 COMPOSITE (T-CG) 01T182

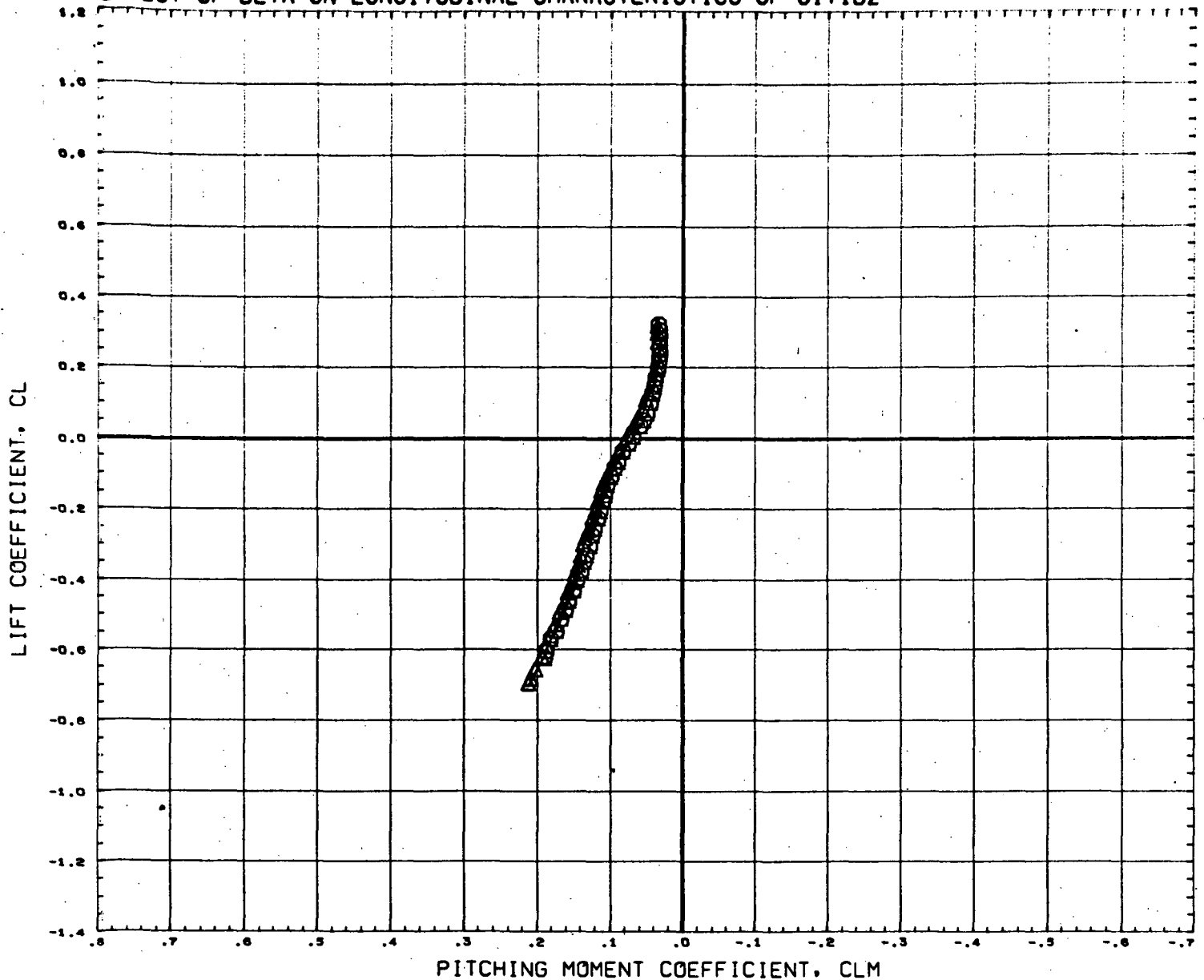
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
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6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRF	557.0004 IN.
				YMRF	0.0000 IN.
				ZMRF	200.0004 IN.
				SCALE	0.0060

MACH 1.08

PAGE 366



# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2



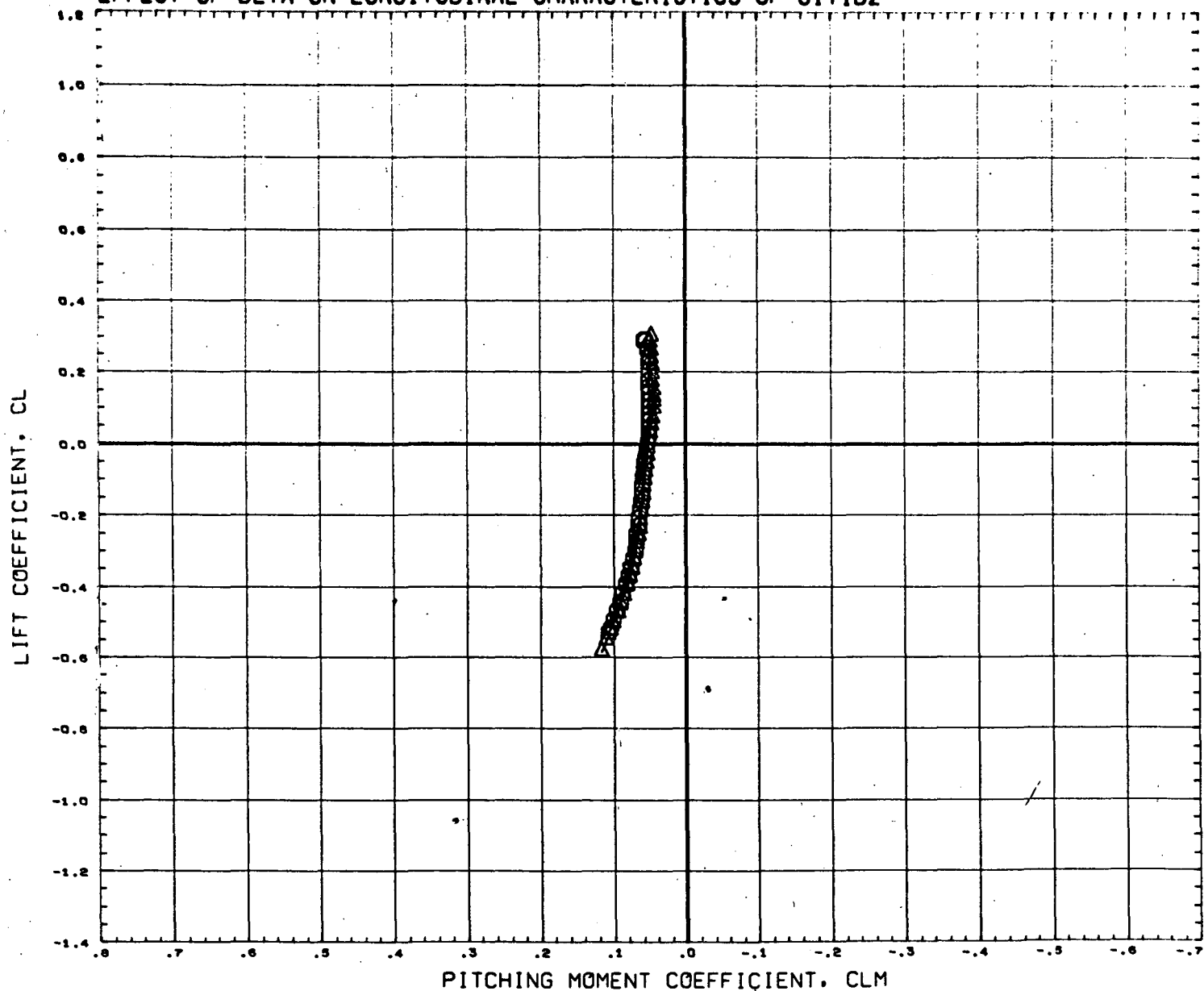
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7514) MDAC S-222 COMPOSITE (T-CG) 01T1B2  
 (CD7515) MDAC S-222 COMPOSITE (T-CG) 01T1B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 367

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2



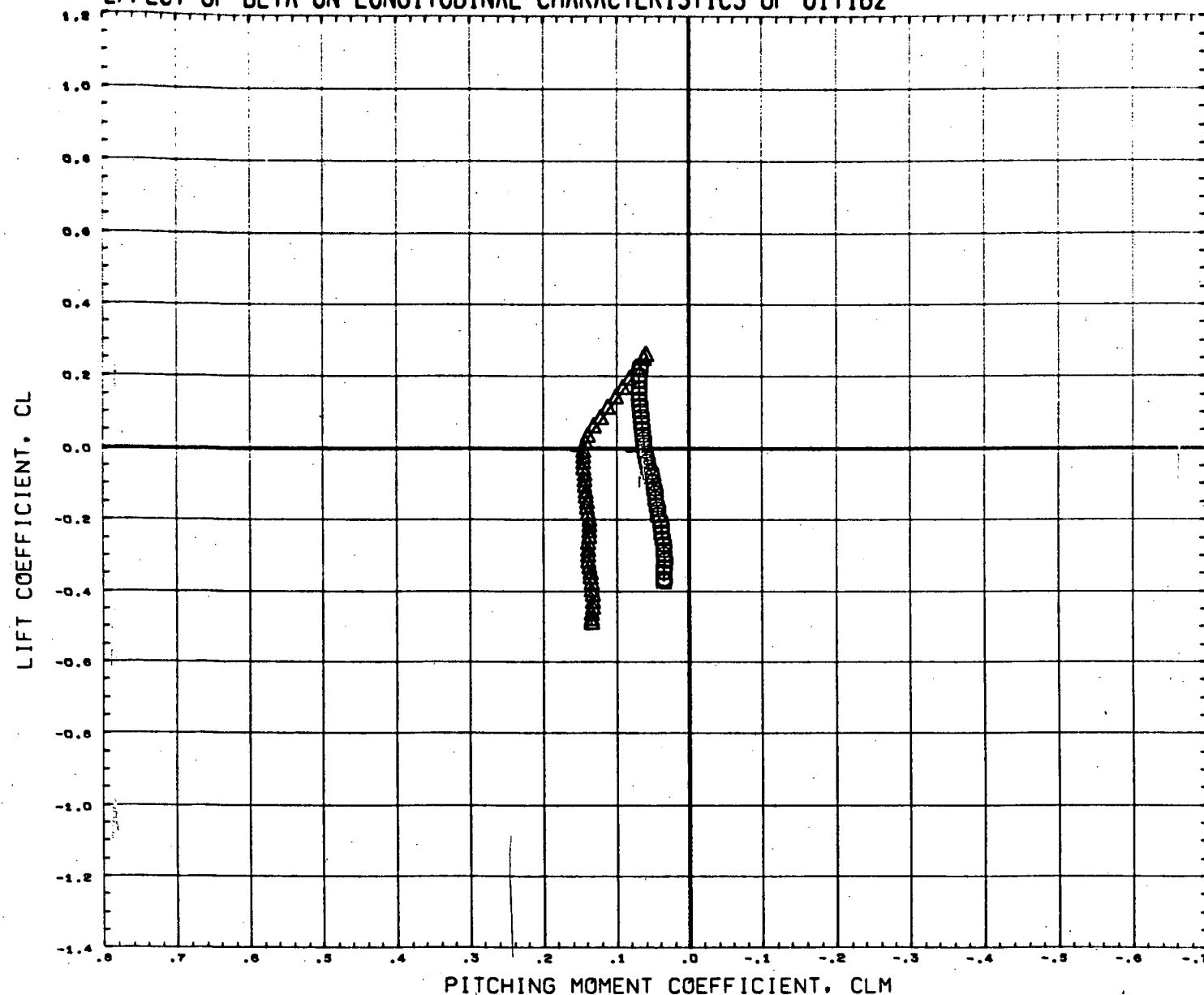
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7514)	MDAC S-222 COMPOSITE (T-CG) 01T1B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7515)	MDAC S-222 COMPOSITE (T-CG) 01T1B2	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMHP	557.0004 IN.
						YMHP	0.0000 IN.
						ZMHP	200.0004 IN.
						SCALE	0.0060

MACH

2.20

PAGE 368

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2



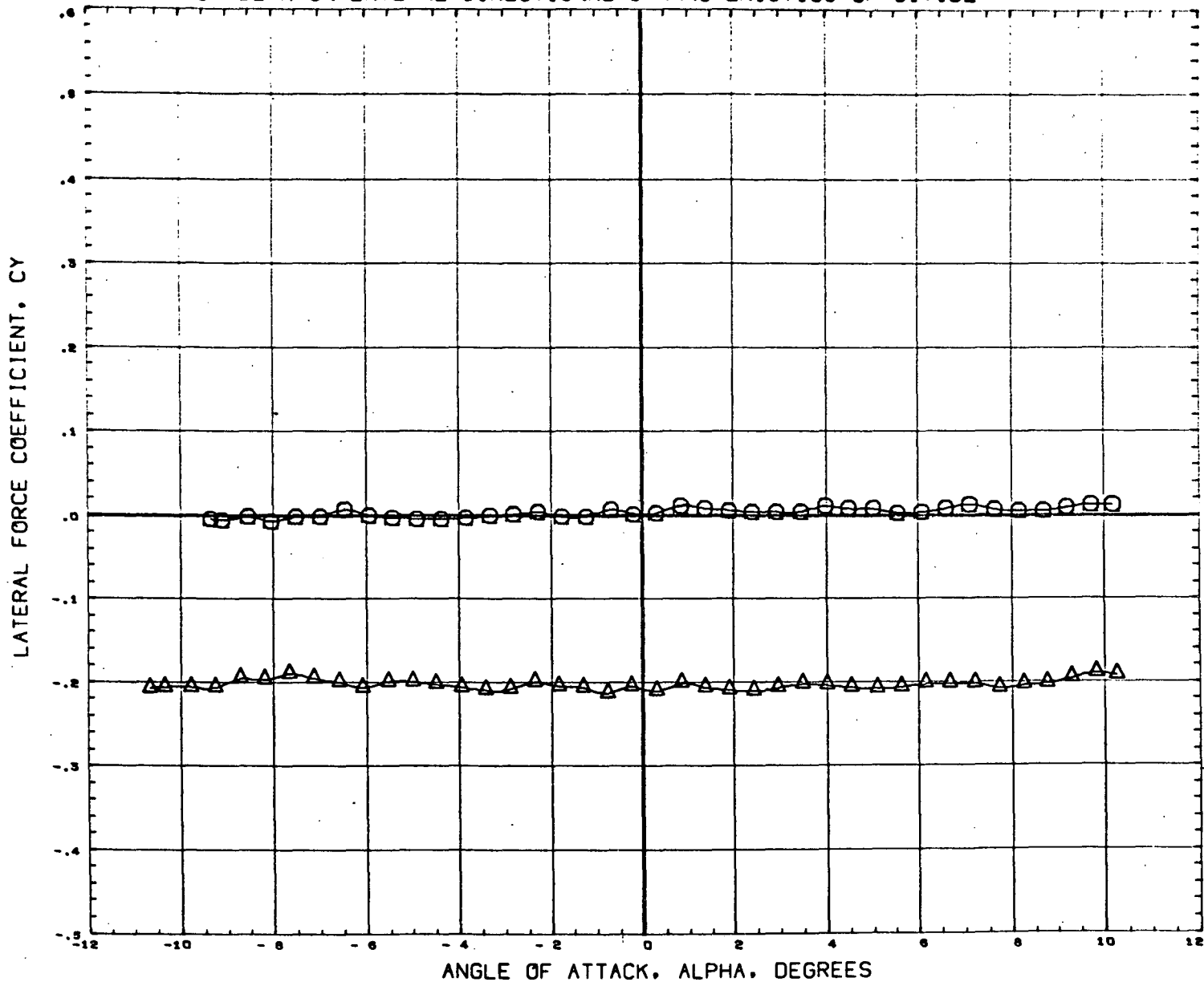
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(CD7314)	MDAC S-222 COMPOSITE (T-C6) 01T1B2
(CD7315)	MDAC S-222 COMPOSITE (T-C6) 01T1B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
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6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	357.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

PAGE 369

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 011B2



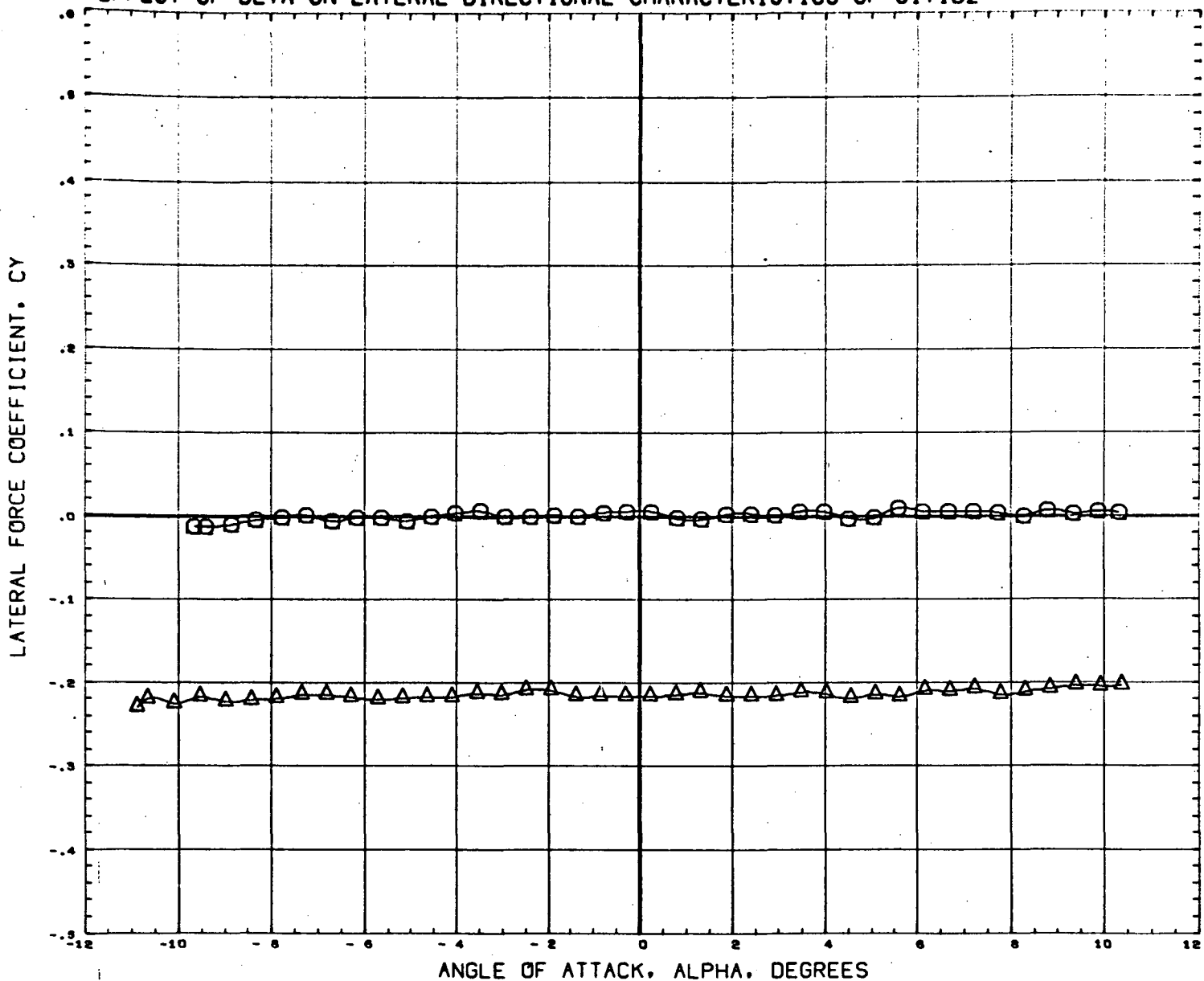
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD7514)	MDAC S-222 COMPOSITE (T-CG) 011B2
(RD7515)	MDAC S-222 COMPOSITE (T-CG) 011B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
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6.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	682.0004	IN.
				XMRF	957.0004	IN.
				YMRF	0.0000	IN.
				ZMRF	200.0004	IN.
				SCALE	0.0060	

MACH .56

PAGE 370

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 011B2



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RD7514)  $\bigcirc$  MDAC S-222 COMPOSITE (T-CG) 011B2  
 (RD7515)  $\triangle$  MDAC S-222 COMPOSITE (T-CG) 011B2

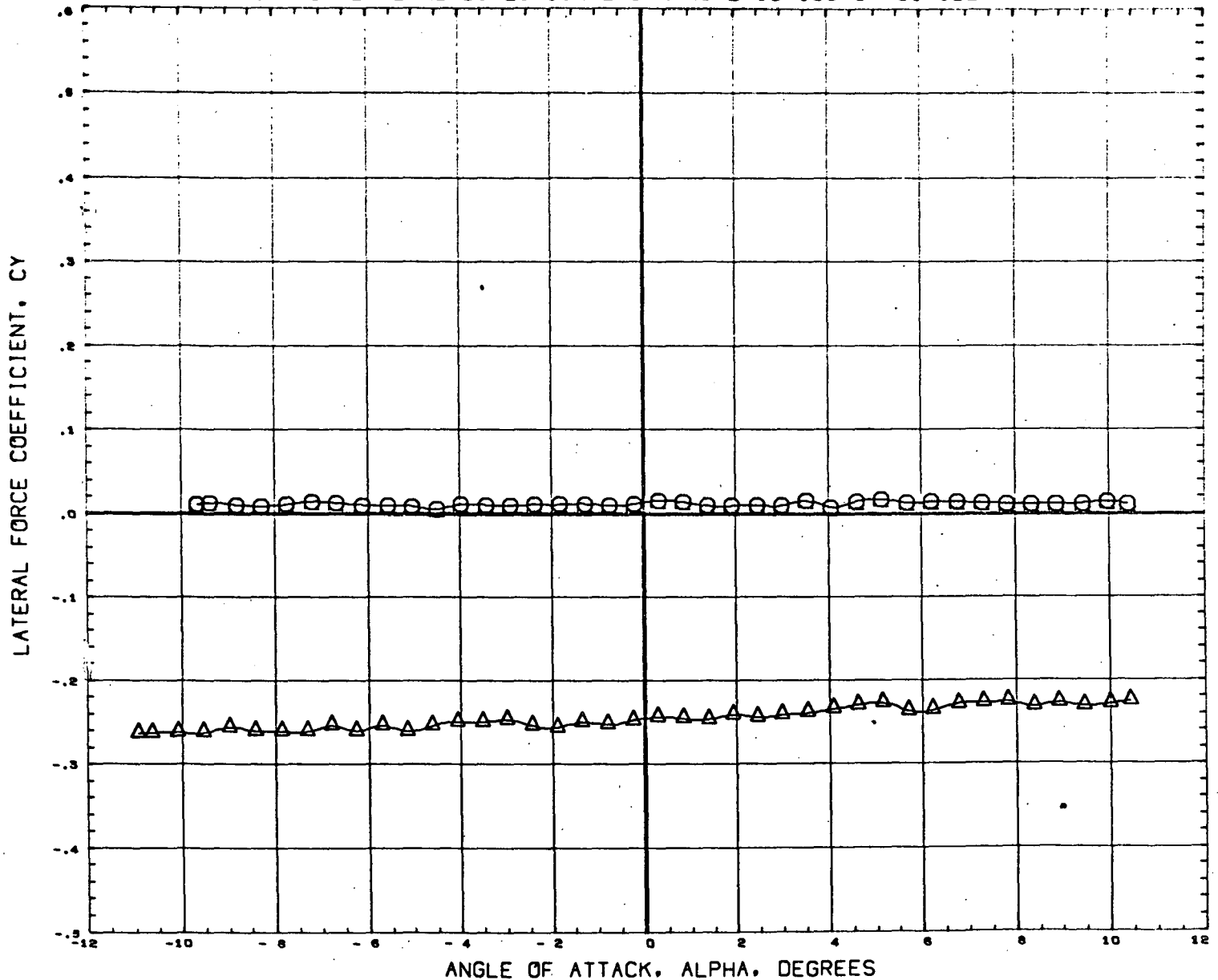
BETA ELEVTR AILRON RUDDER  
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 6.000 0.000 0.000 0.000

REFERENCE INFORMATION  
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 LREF 609.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH .89

PAGE 371

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 011B2

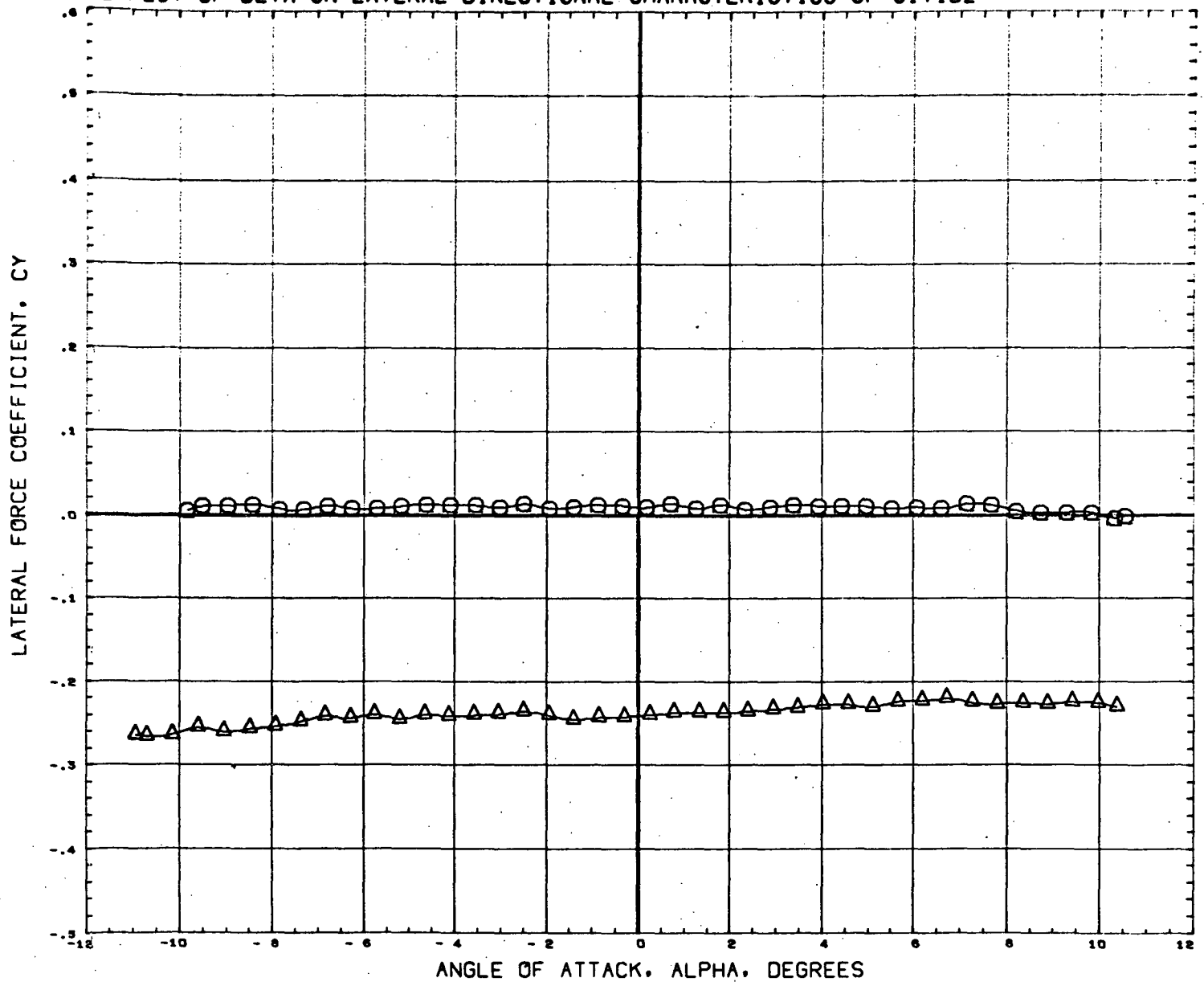


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(R07515)	MDAC S-222 COMPOSITE (T-CG) 011B2	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						YMRP	557.0004 IN.
						ZMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.08

PAGE 372

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T1B2



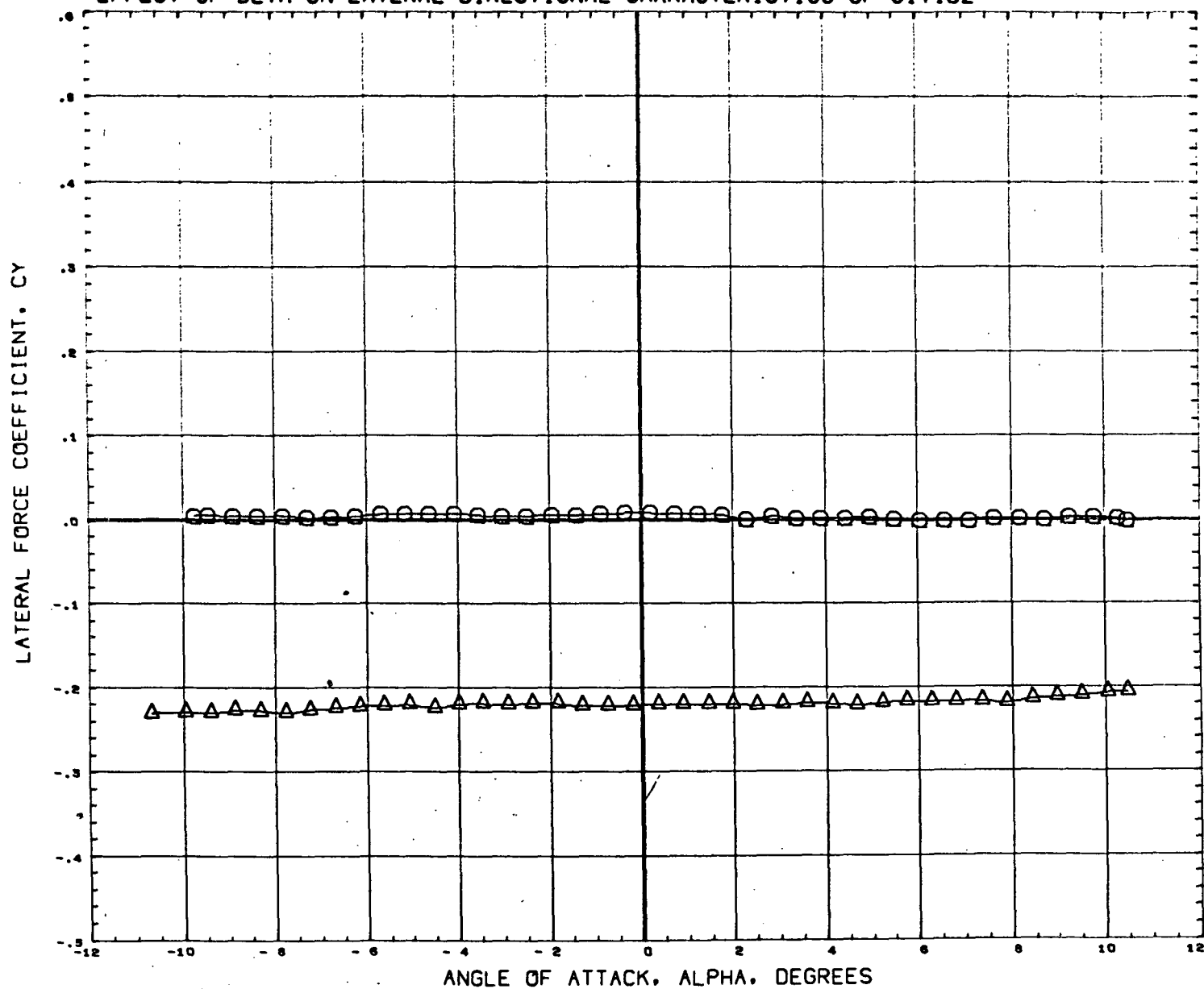
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(RD7515) MDAC S-222 COMPOSITE (T-CG) 01T1B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 373

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 011B2



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD7914)	MDAC S-222 COMPOSITE (T-CG) 011B2
(RD7915)	MDAC S-222 COMPOSITE (T-CG) 011B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	662.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

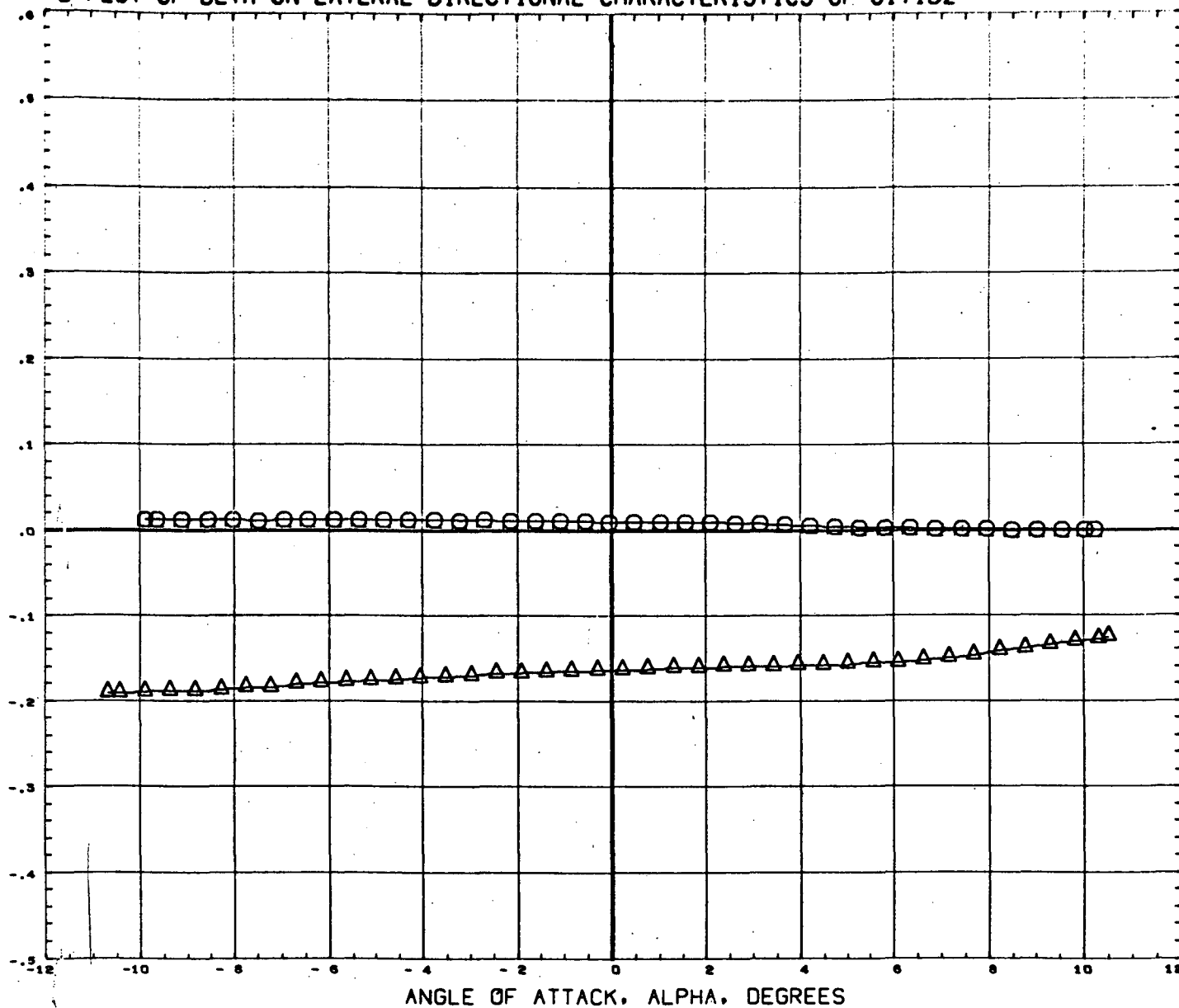
MACH 2.20

PAGE 374



# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 011B2

LATERAL FORCE COEFFICIENT, CY



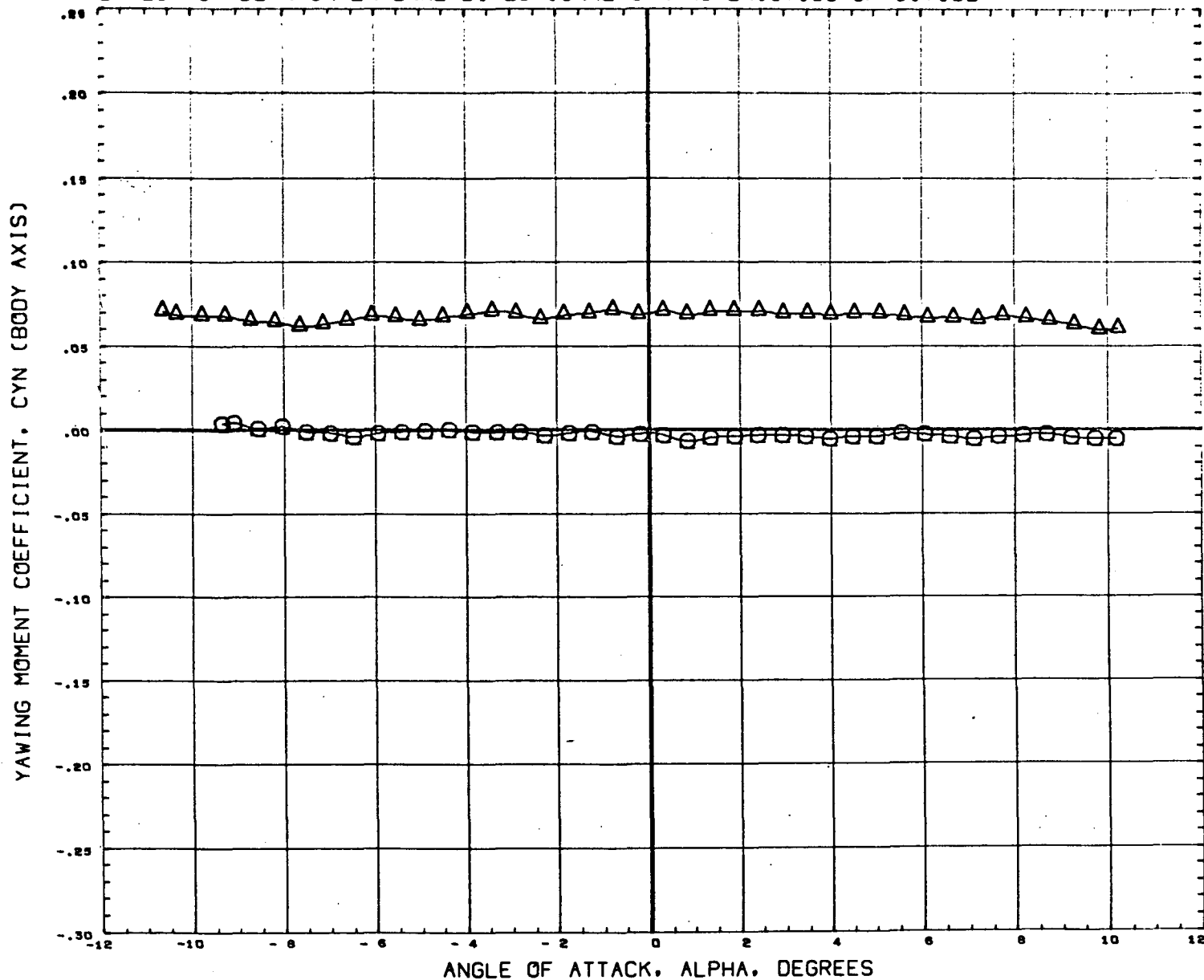
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RD7514) MDAC S-222 COMPOSITE (T-CG) 011B2  
 (RD7515) MDAC S-222 COMPOSITE (T-CG) 011B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	662.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

PAGE 375

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 011B2



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RD7514) MDAC S-222 COMPOSITE (T-CG) 011B2  
 (RD7515) MDAC S-222 COMPOSITE (T-CG) 011B2

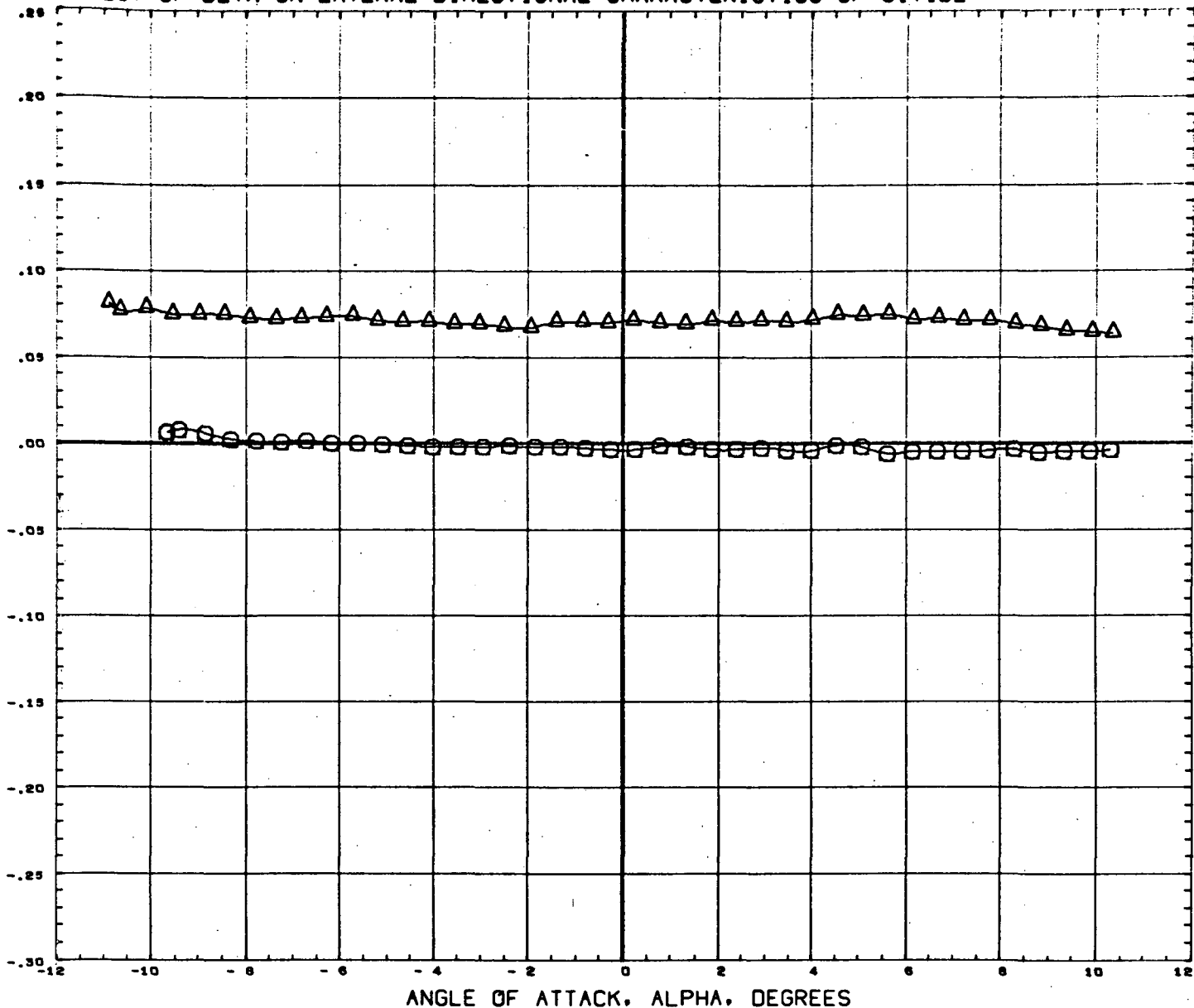
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
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				BREF	882.0004 IN.
				XMRP	337.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .56

PAGE 376

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T1B2

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



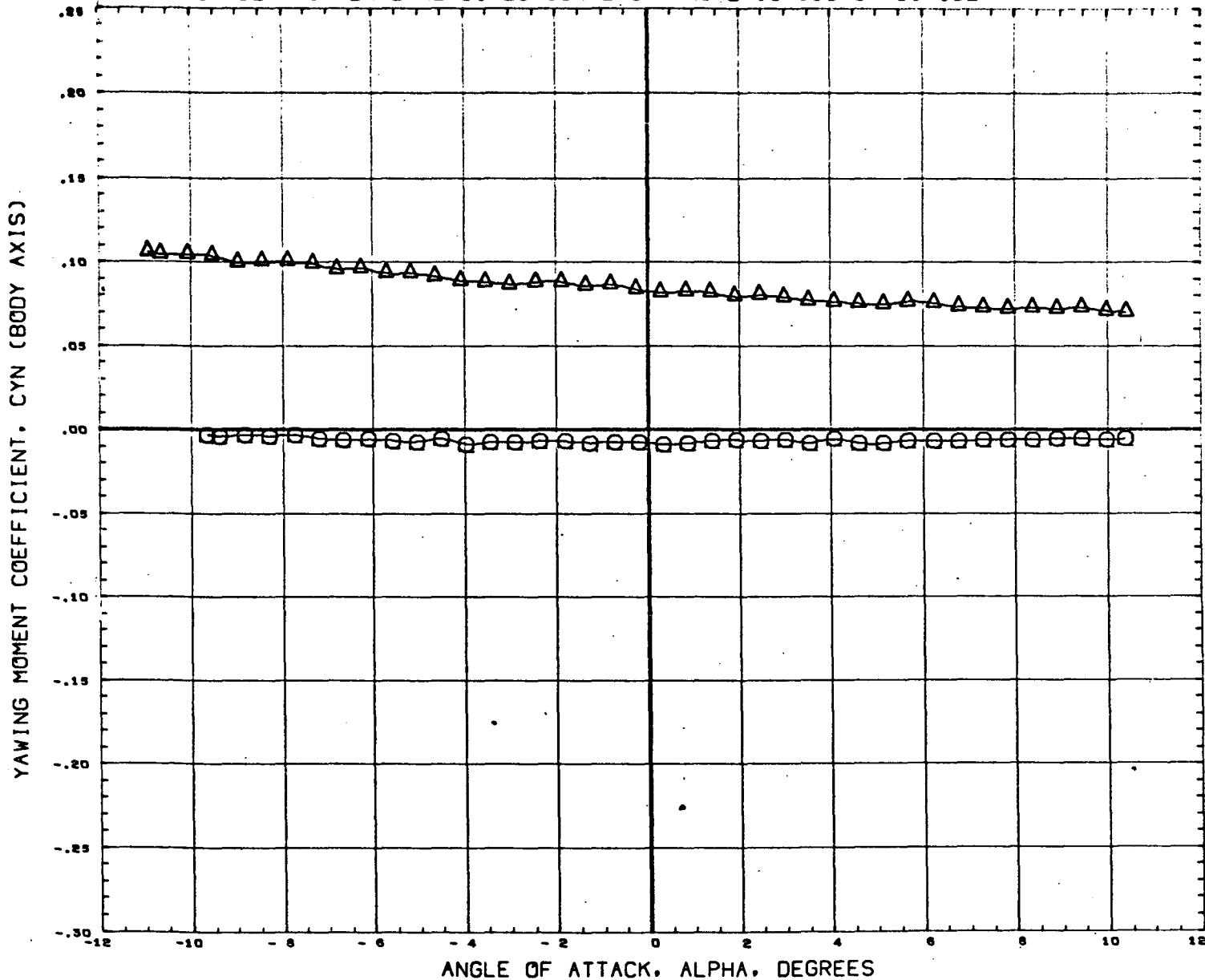
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(RD7515) MDAC S-222 COMPOSITE (T-CG) 01T1B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

PAGE 377

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 0111B2



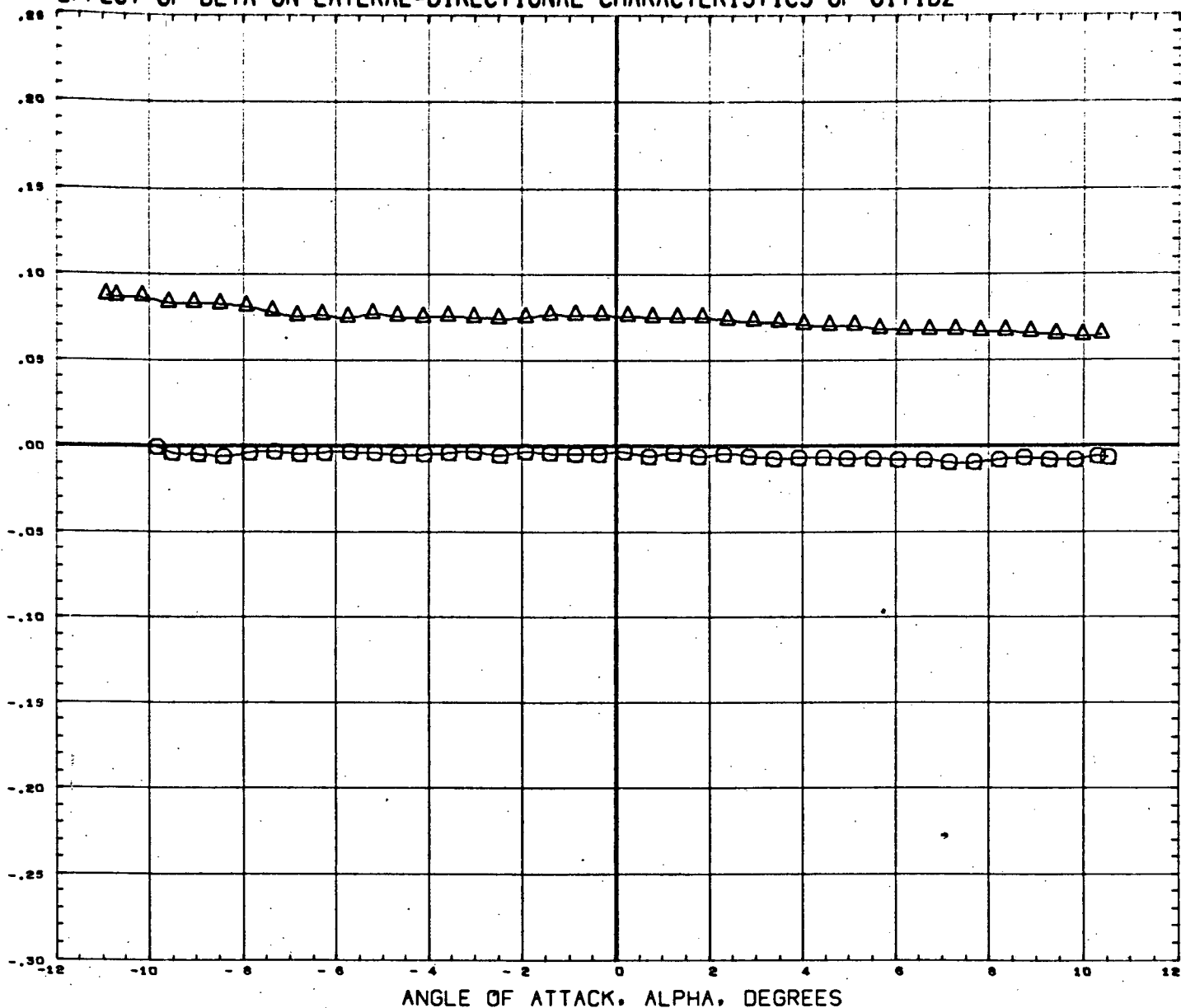
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(RD7515)	MDAC S-222 COMPOSITE (T-CG) 0111B2	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	682.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.08

PAGE 378

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 011B2

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



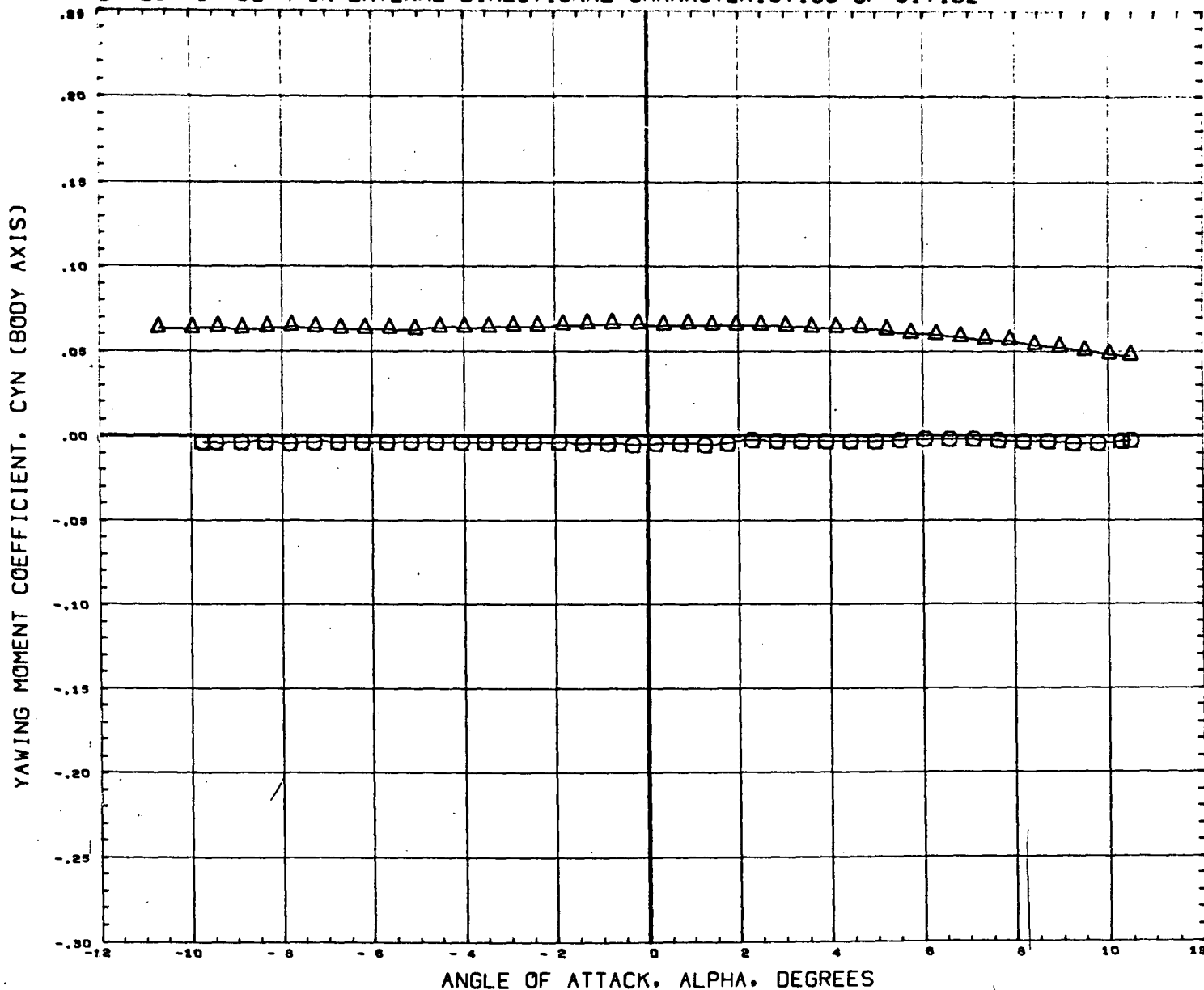
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 (RD7515) MDAC S-222 COMPOSITE (T-CG) 011B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 379

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 011B2



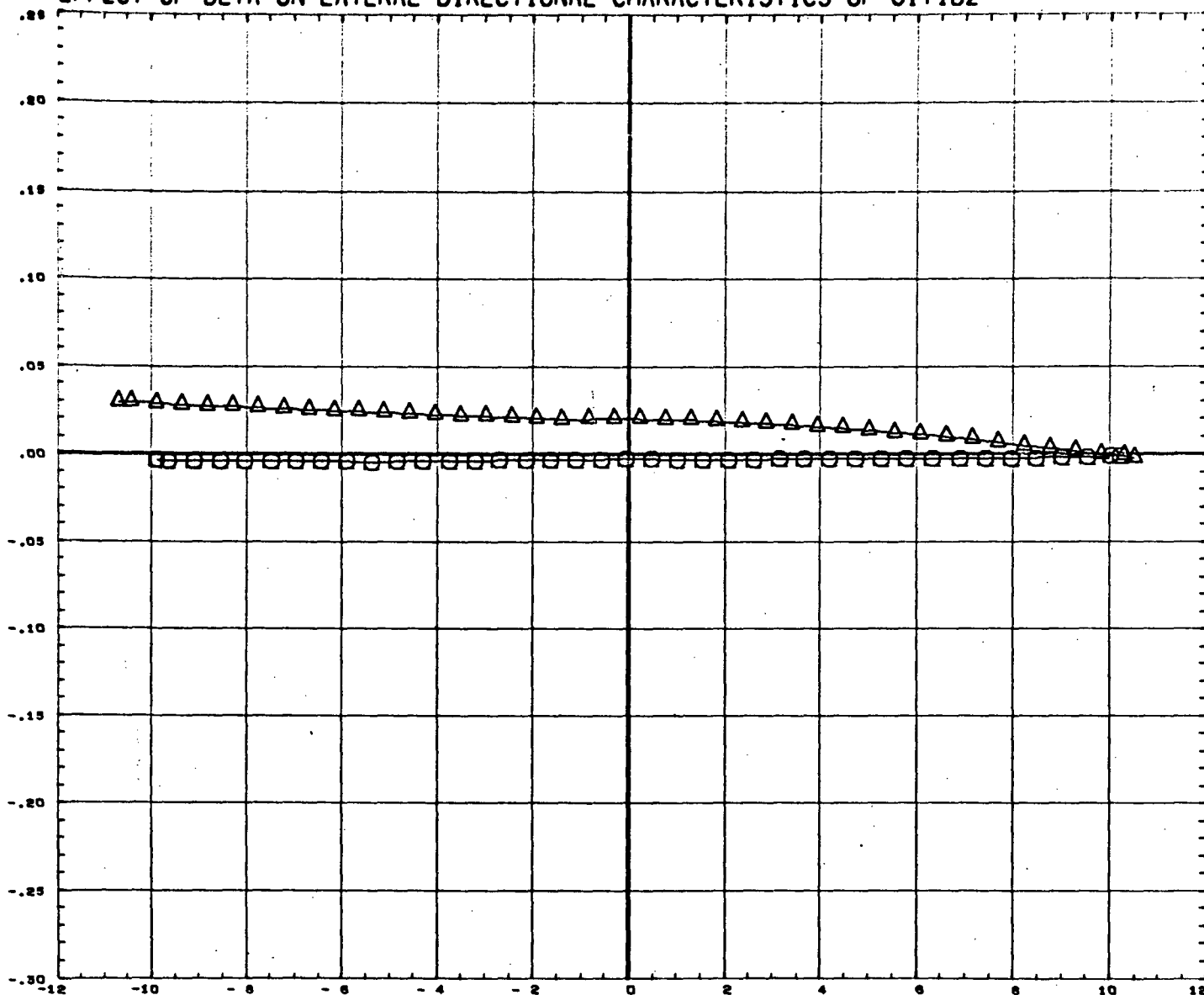
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(RD7515)	MDAC S-222 COMPOSITE (T-CG) 011B2	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
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						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 380

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T1B2

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
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 (RD7515) MDAC S-222 COMPOSITE (T-CG) 01T1B2

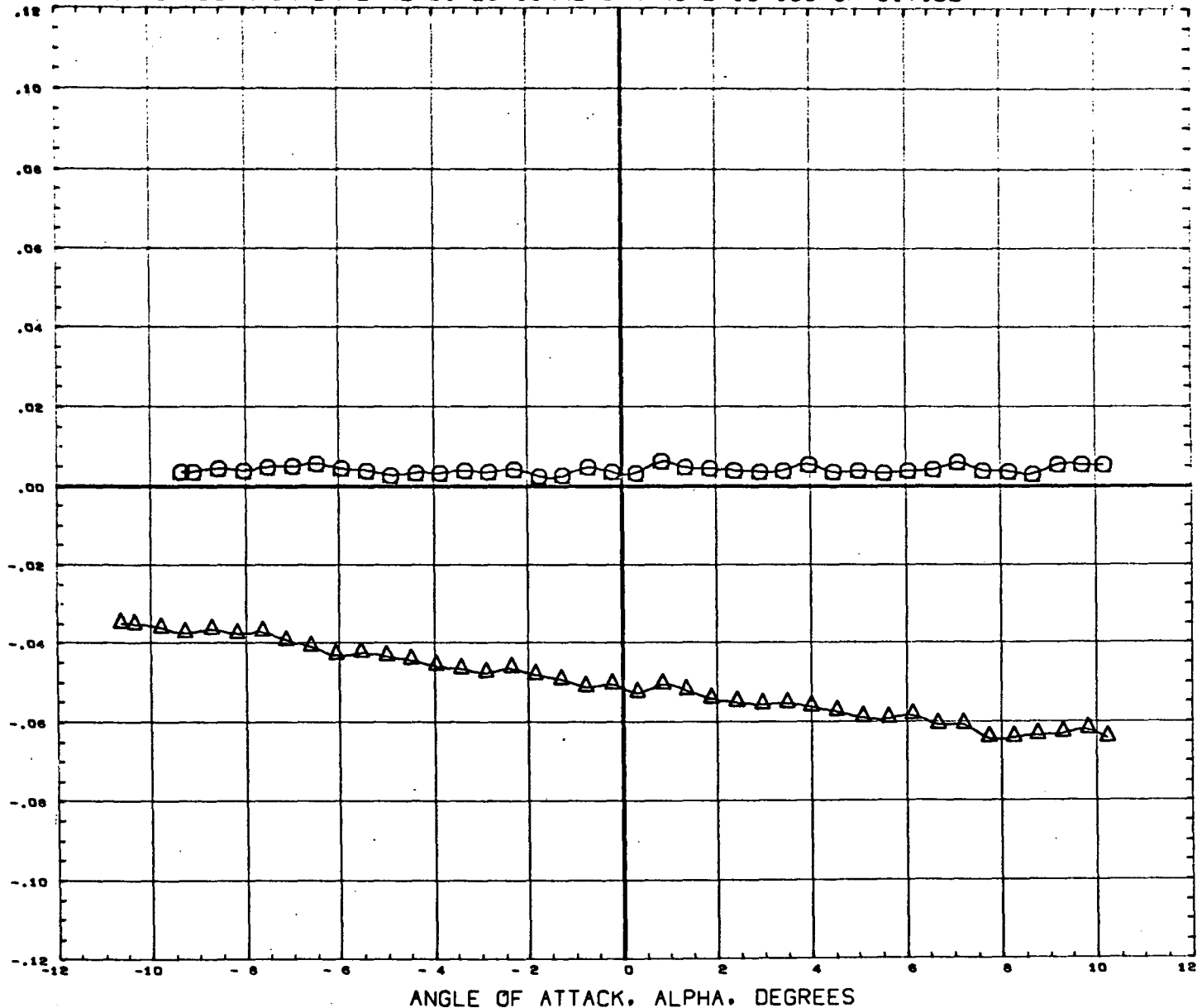
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
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6.000	0.000	0.000	0.000	LREF 609.5004 IN.
				BREF 662.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH 4.47

PAGE 381

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 011182

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RD7514) MDAC S-222 COMPOSITE(T-CG) 011182  
(RD7515) MDAC S-222 COMPOSITE(T-CG) 011182

BETA ELEVTR AILRON RUDDER  
0.000 0.000 0.000 0.000  
6.000 0.000 0.000 0.000

REFERENCE INFORMATION  
SREF 3155.3040 SQ.FT.  
LREF 609.5004 IN.  
BREF 682.0004 IN.  
XMRP 557.0004 IN.  
YMRP 0.0000 IN.  
ZMRP 200.0004 IN.  
SCALE 0.0060

MACH

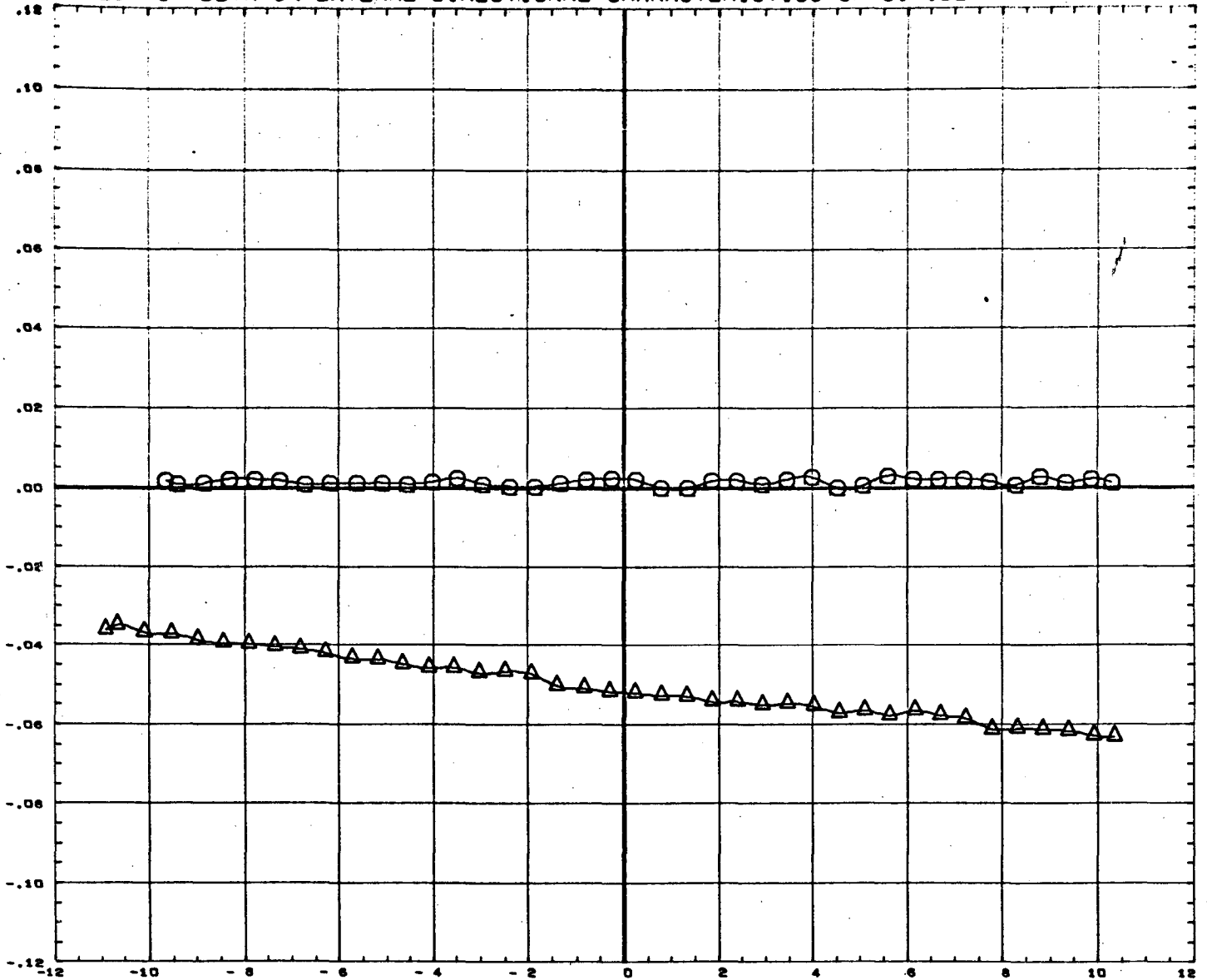
.56

PAGE 382



# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 011B2

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
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(RD7515) MDAC S-222 COMPOSITE (T-CG) 011B2

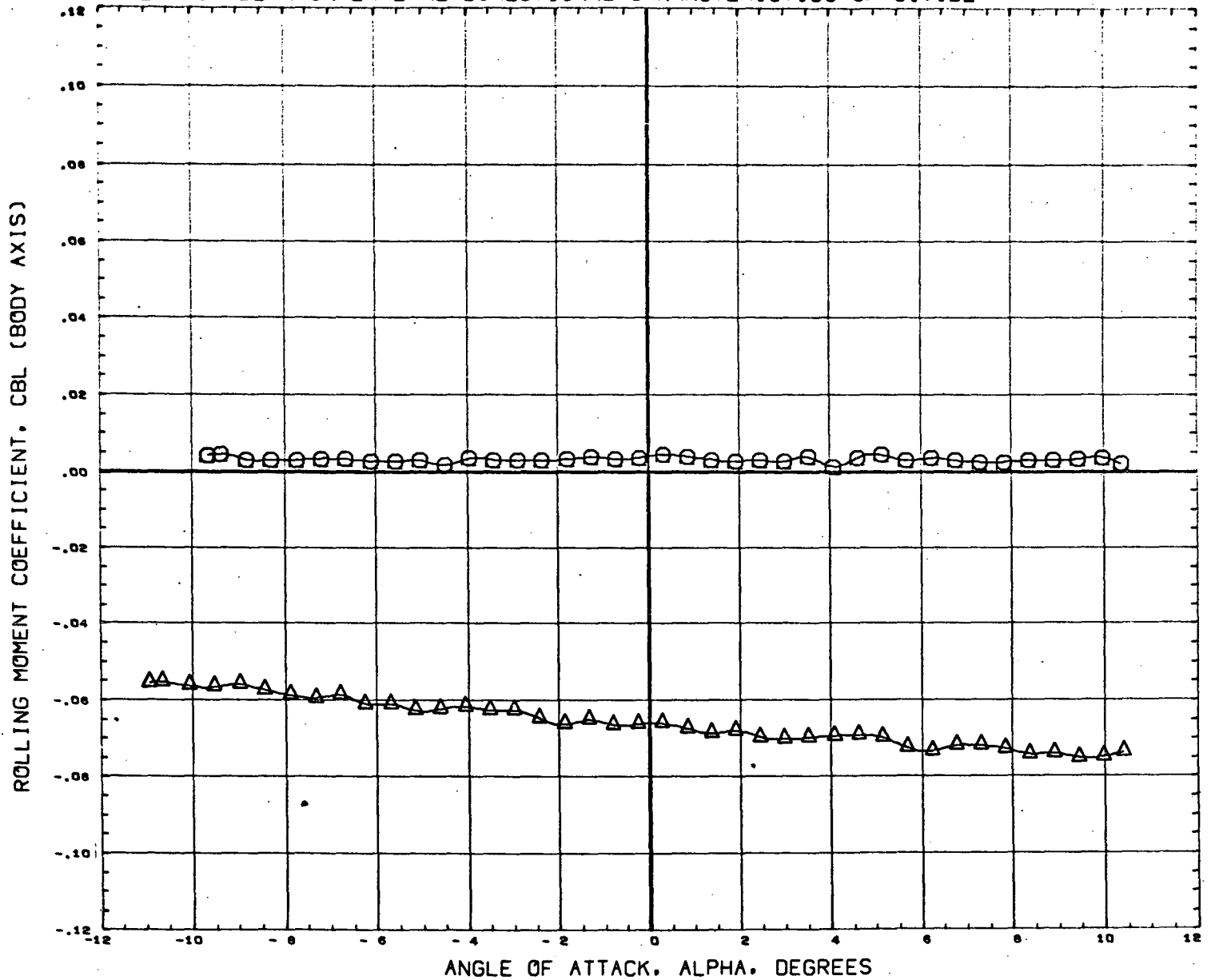
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	882.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH

.89

PAGE 383

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T1B2



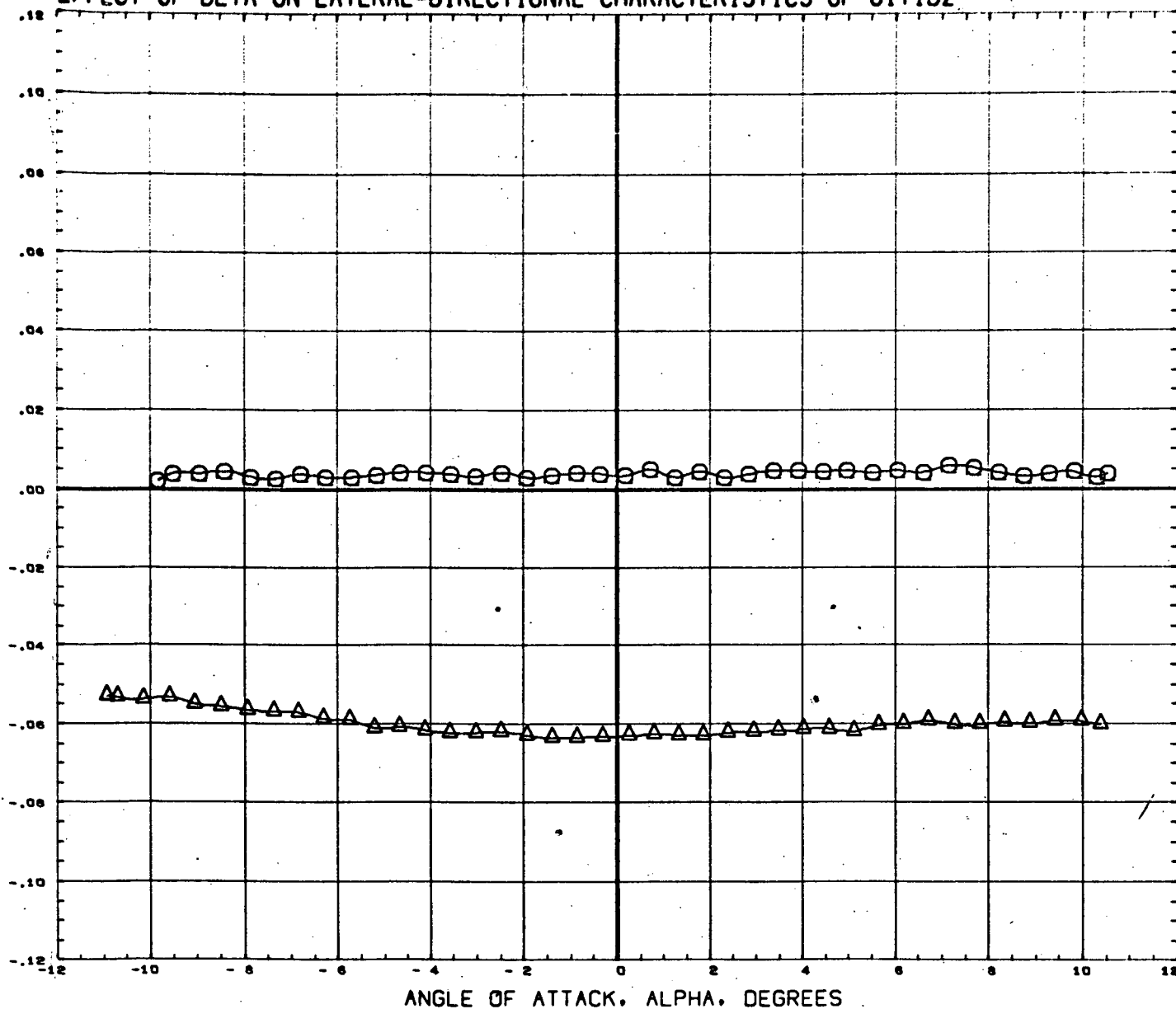
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
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(RD7515)	MDAC S-222 COMPOSITE (T-CG) 01T1B2	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.08

PAGE 384

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T182

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RD7514) MDAC S-222 COMPOSITE (T-CG) 01T182  
(RD7515) MDAC S-222 COMPOSITE (T-CG) 01T182

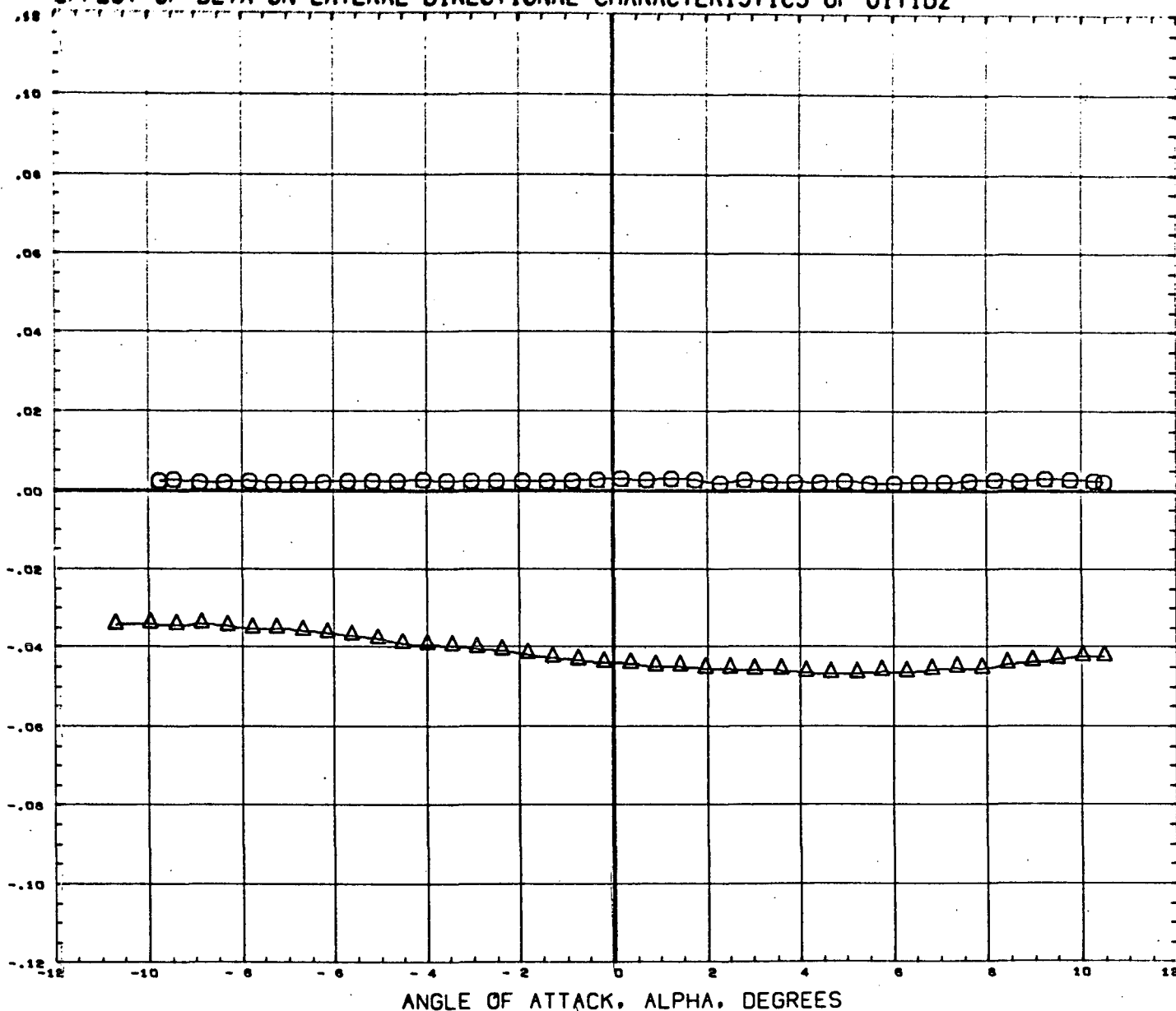
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.9004 IN.
				BREF	662.0004 IN.
				XMWP	557.0004 IN.
				YMWP	0.0000 IN.
				ZMWP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 385

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T1B2

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



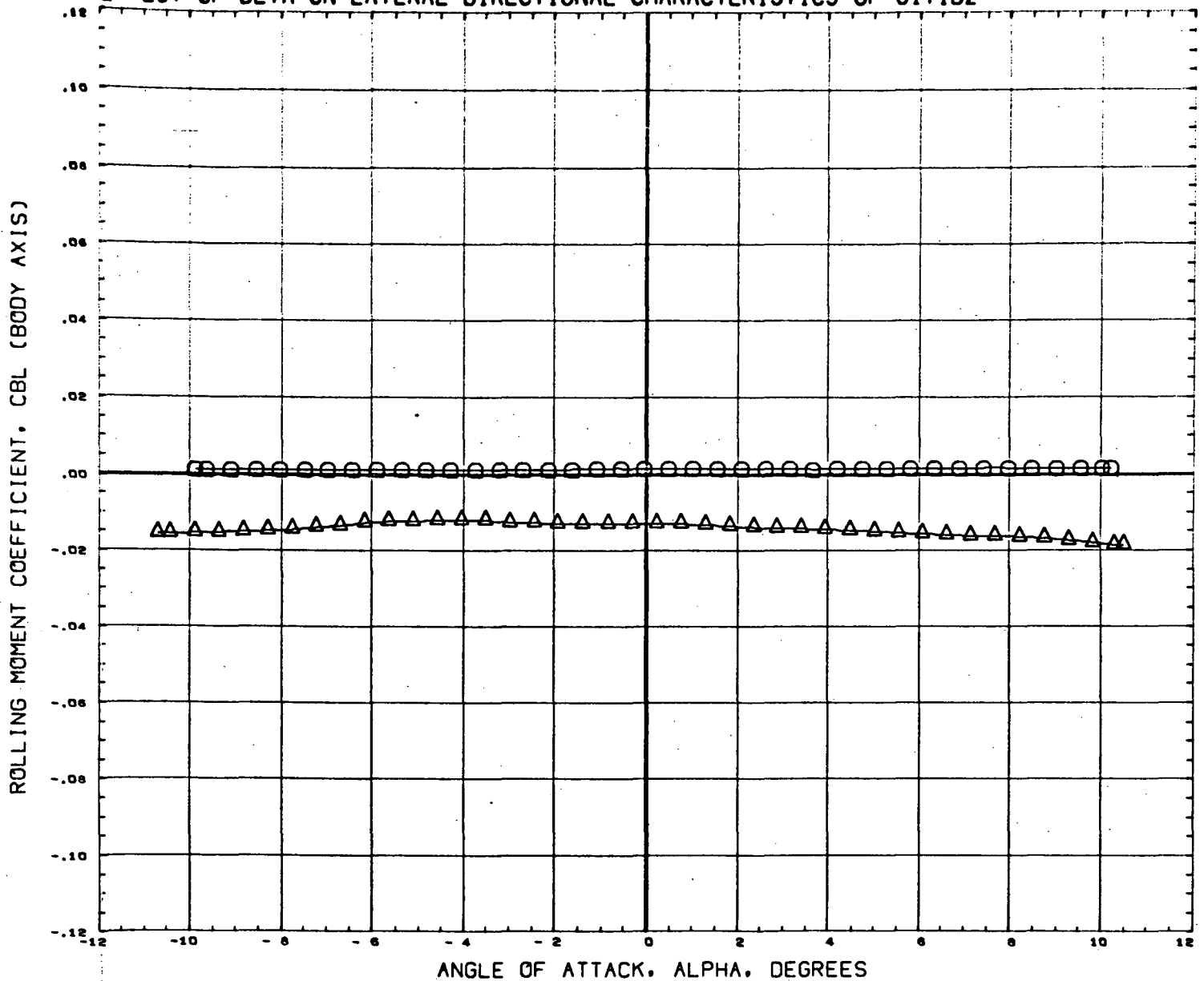
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RD7514) MDAC S-222 COMPOSITE (T-CG) 01T1B2  
(RD7515) MDAC S-222 COMPOSITE (T-CG) 01T1B2

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	882.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH 2.20

PAGE 386

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 011B2



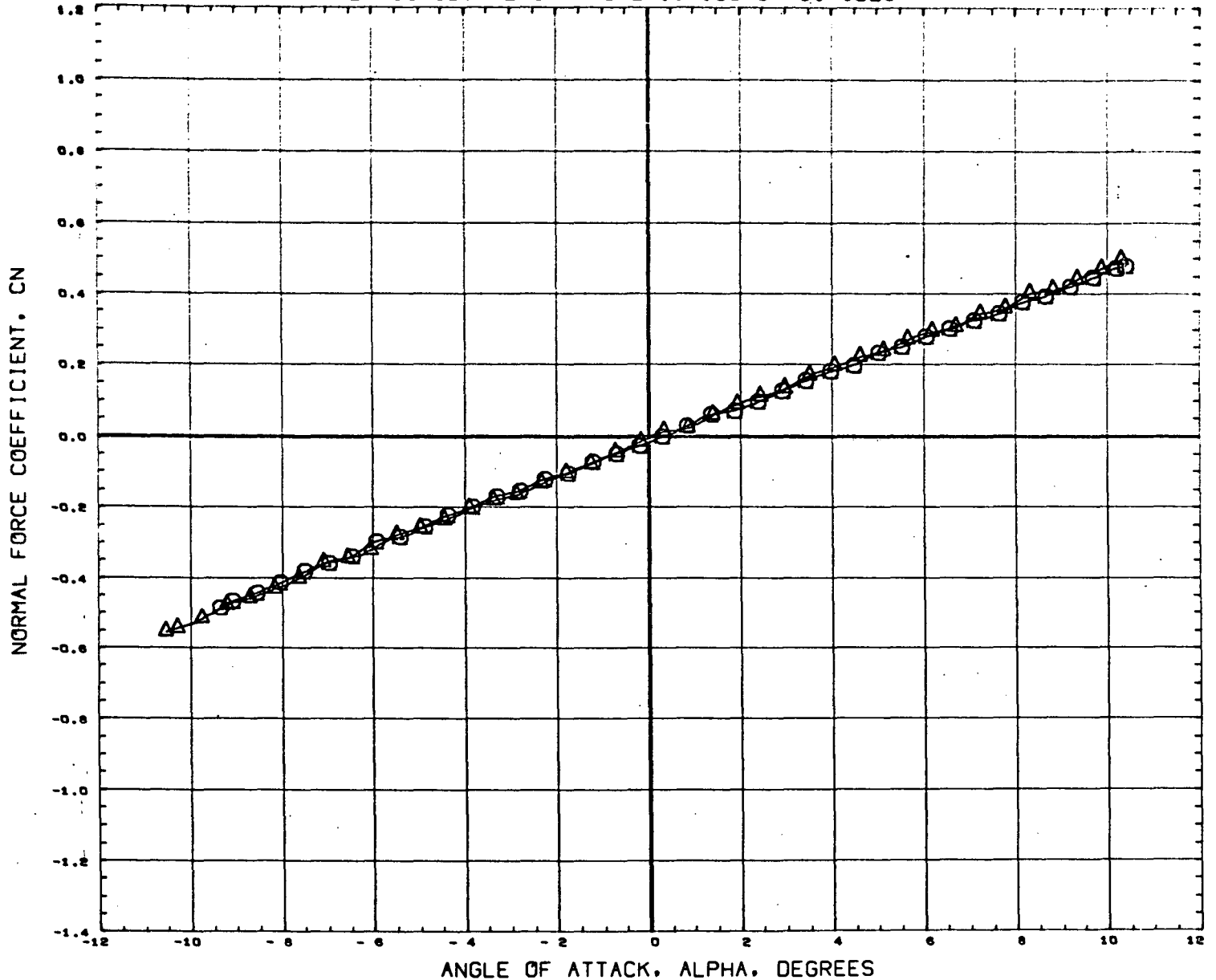
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RD7514) MDAC S-222 COMPOSITE (T-CG) 011B2  
 (RD7515) MDAC S-222 COMPOSITE (T-CG) 011B2



BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

PAGE 387

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S



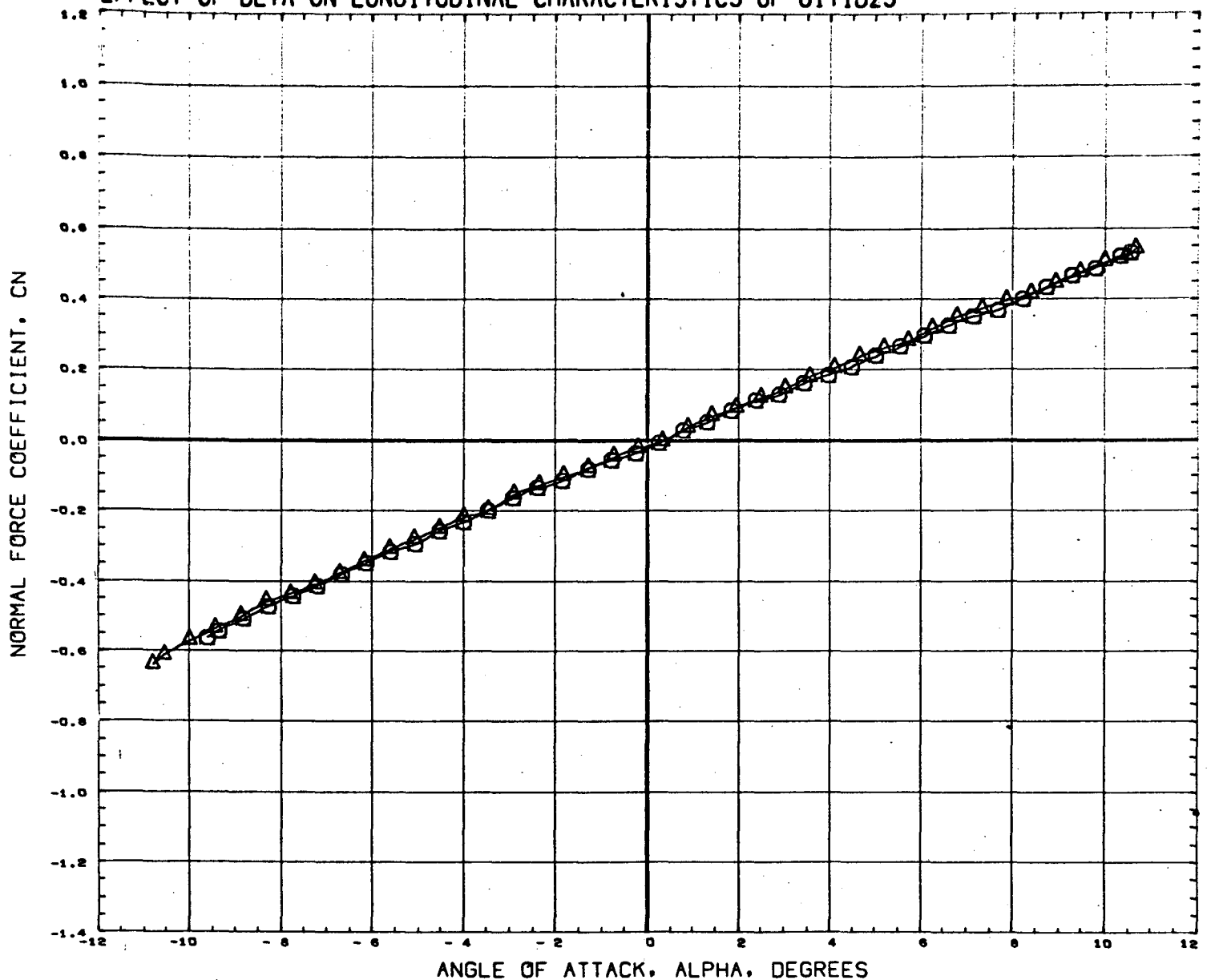
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7516) 	MDAC S-222 COMPOSITE (T-CG) 01T1B2S
(CD7517) 	MDAC S-222 COMPOSITE (T-CG) 01T1B2S

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	809.5004 IN.
				BREF	882.0004 IN.
				XMRF	557.0004 IN.
				YMRF	0.0000 IN.
				ZMRF	200.0004 IN.
				SCALE	0.0060

MACH .56

PAGE 388

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S



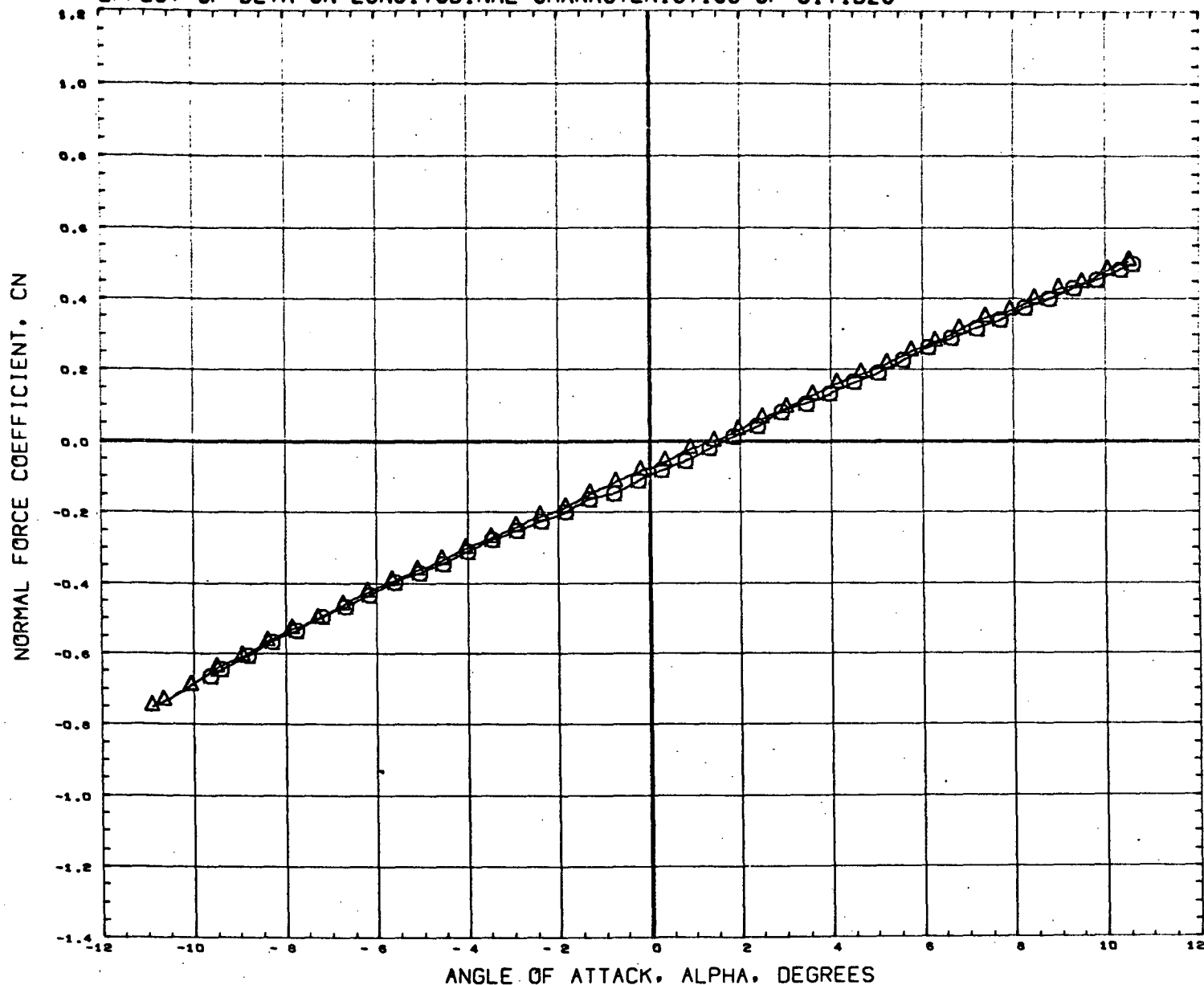
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7516)  $\bigcirc$  MDAC S-222 COMPOSITE (T-CG) 01T1B2S  
 (CD7517)  $\triangle$  MDAC S-222 COMPOSITE (T-CG) 01T1B2S

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

PAGE 389

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7516) ○	MDAC S-222 COMPOSITE (T-CG) 01T1B2S
(CD7517) △	MDAC S-222 COMPOSITE (T-CG) 01T1B2S

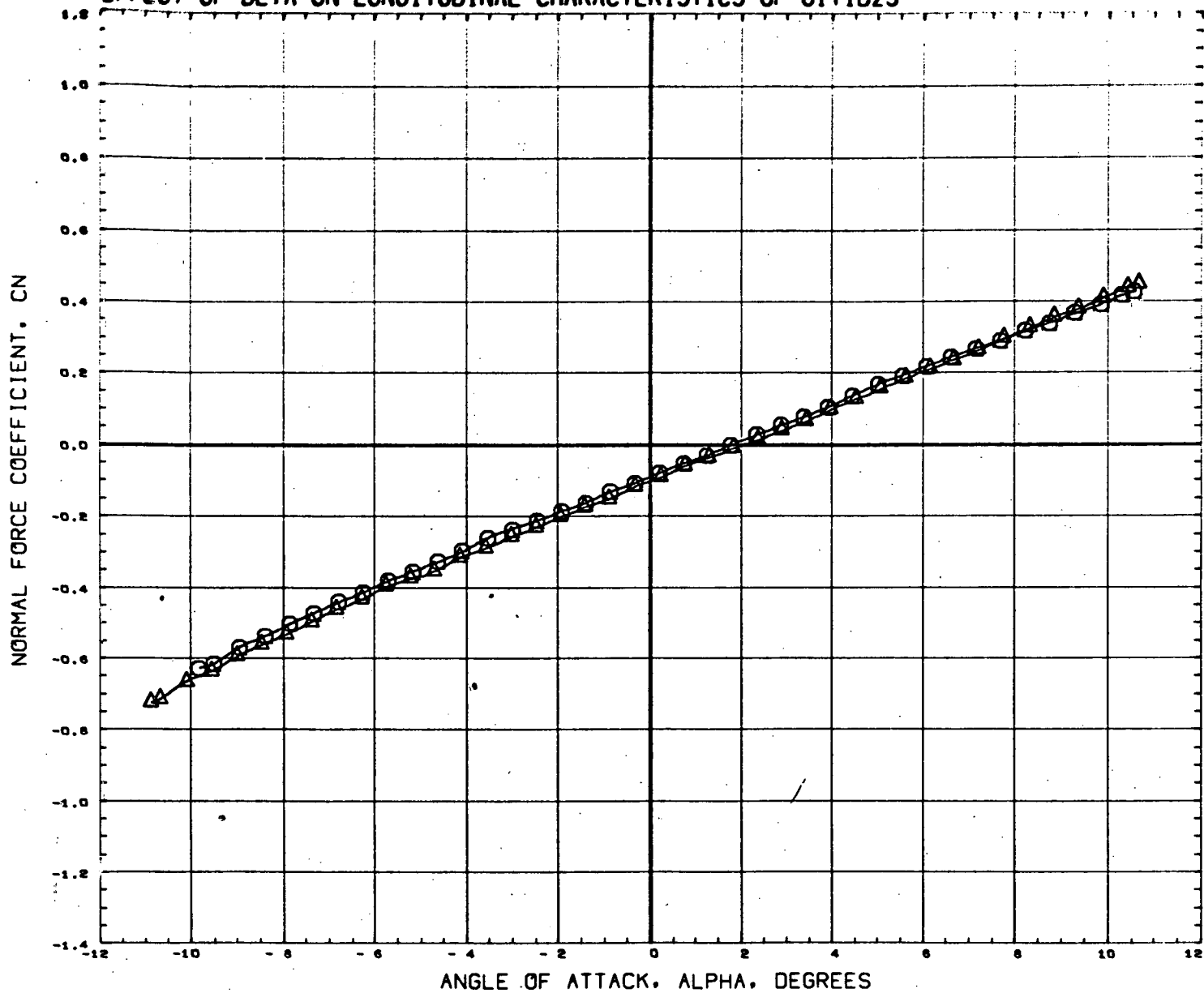
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.08

PAGE 390



# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B2S



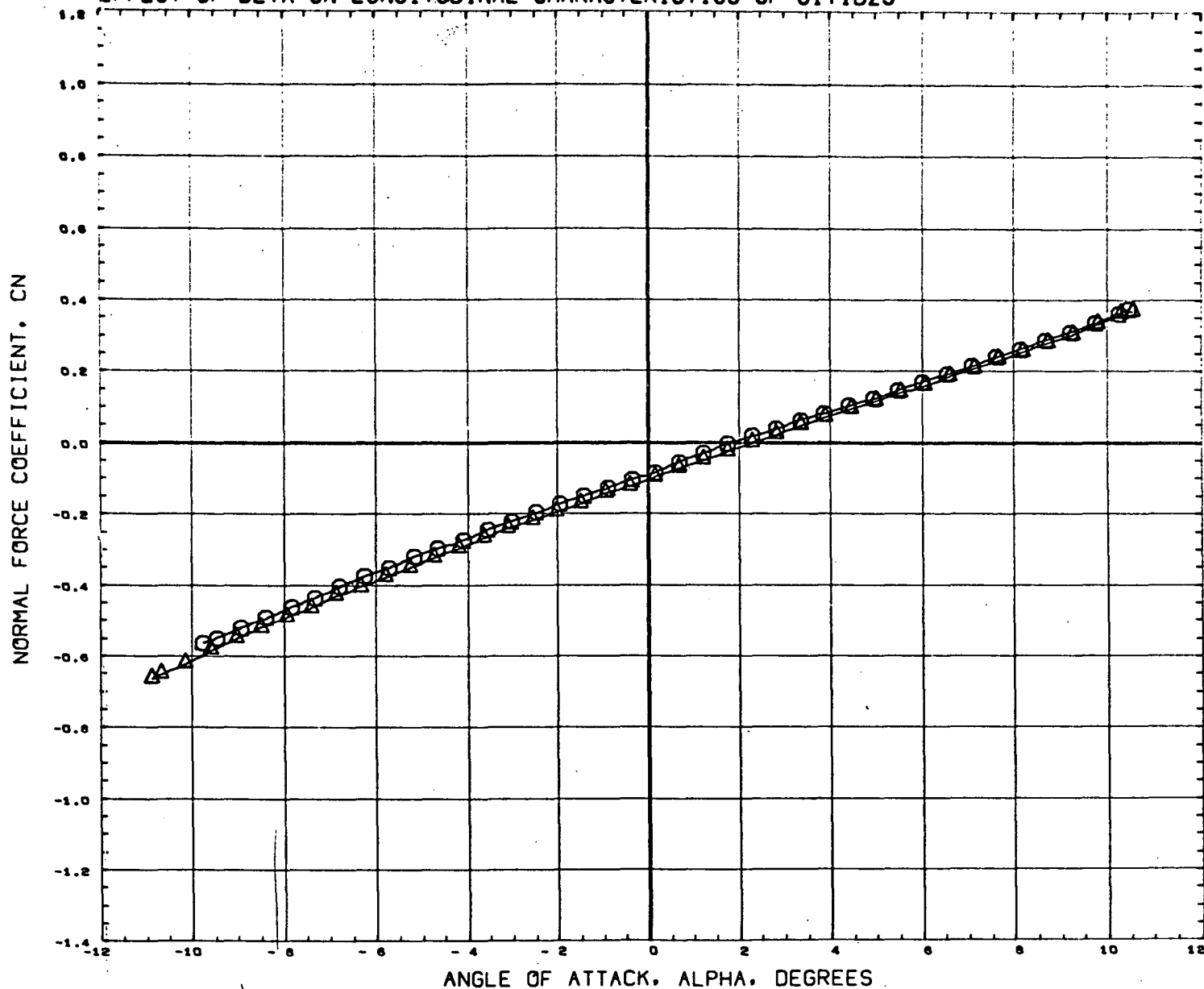
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 (CD7516) ○ MDAC S-222 COMPOSITE (T-CG) 011B2S  
 (CD7517) △ MDAC S-222 COMPOSITE (T-CG) 011B2S

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	662.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 391

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B2S



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7516) MDAC S-222 COMPOSITE (T-CG) 011B2S  
(CD7517) MDAC S-222 COMPOSITE (T-CG) 011B2S

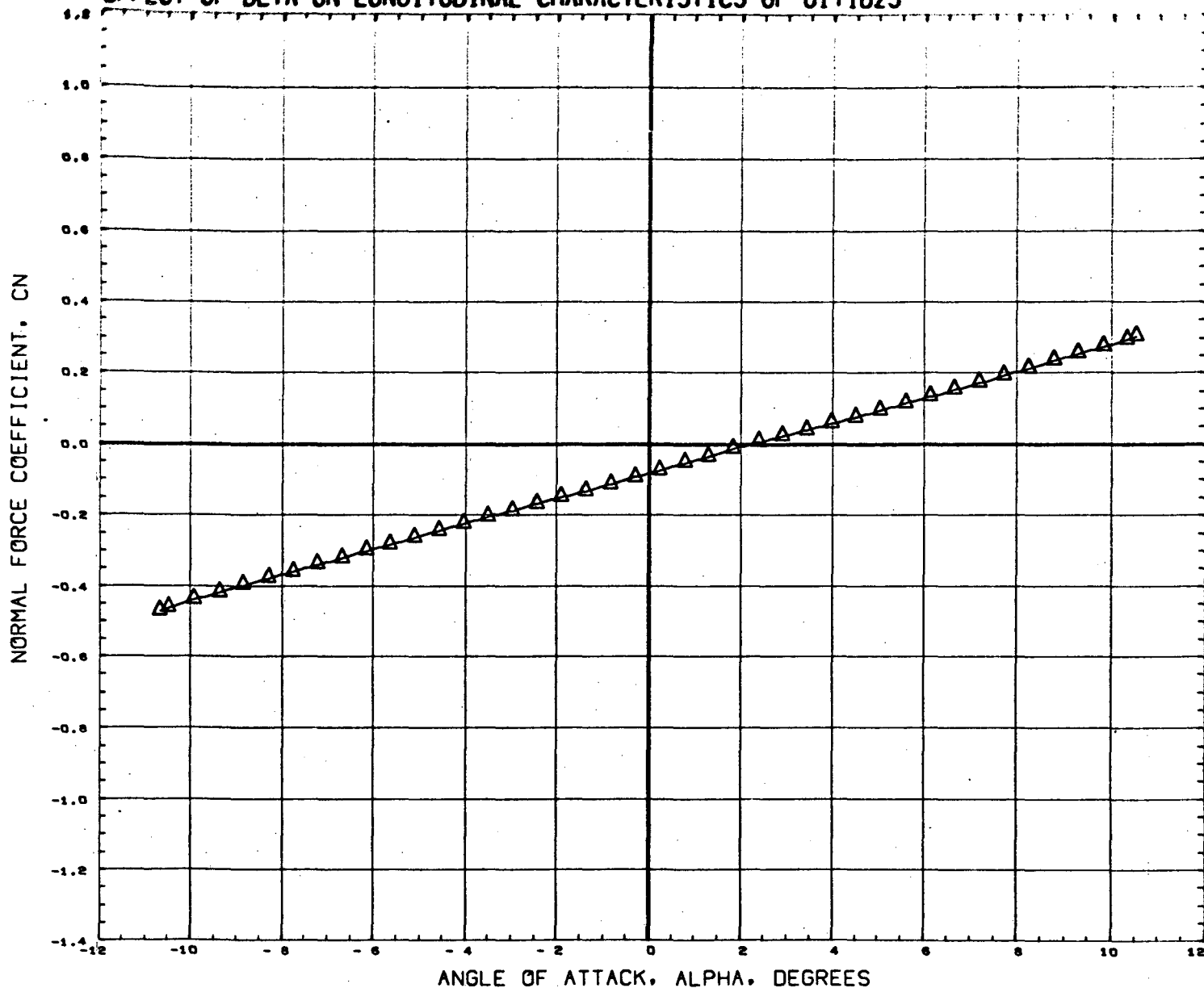
BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.3004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH 2.20

PAGE 392

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S



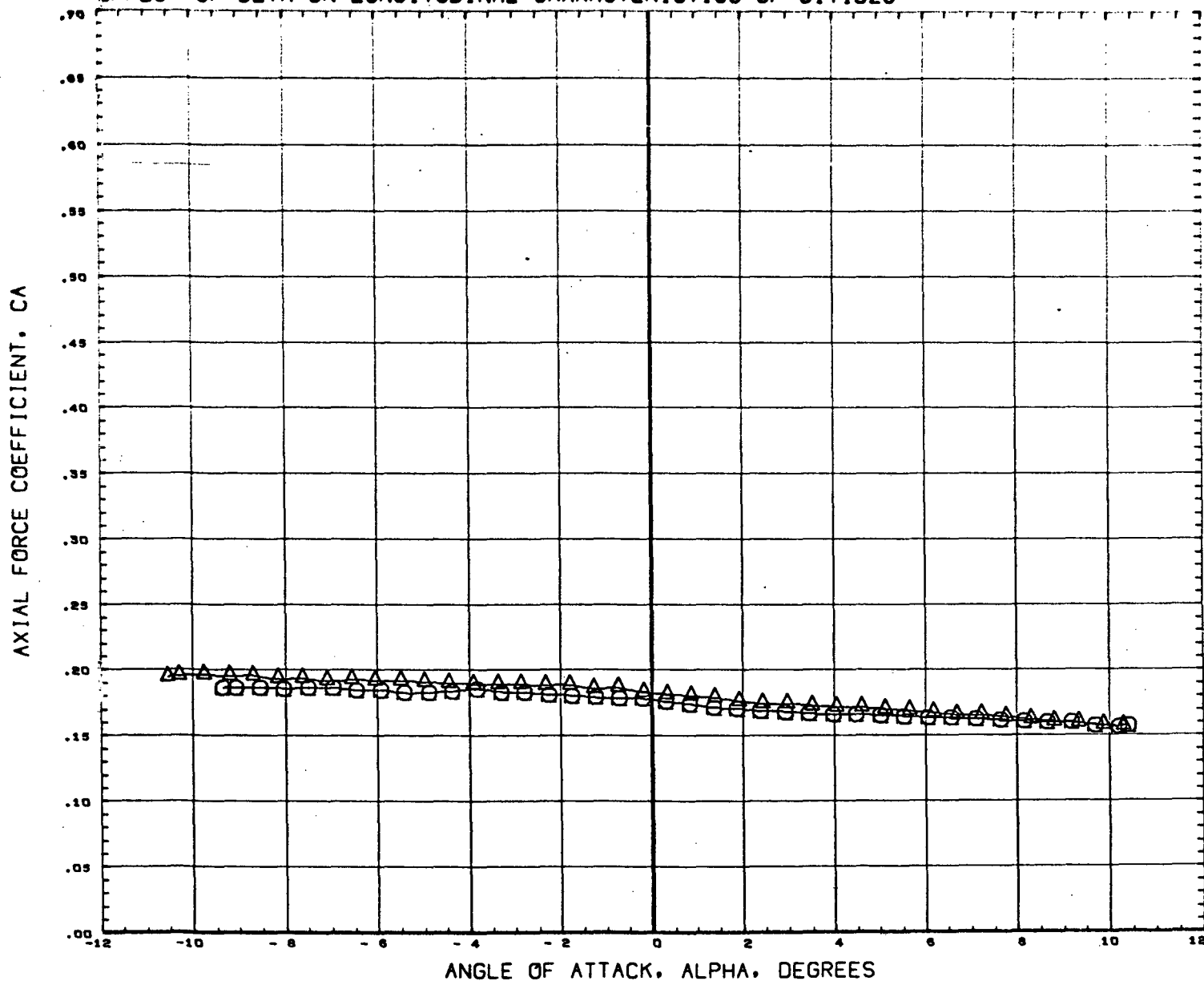
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7516) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7517) MDAC S-222 COMPOSITE (T-CG) 01T1B2S

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	882.0004 IN.
				XMRF	557.0004 IN.
				YMRF	0.0000 IN.
				ZMRF	200.0004 IN.
				SCALE	0.0060

MACH 4.47

PAGE 393

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S



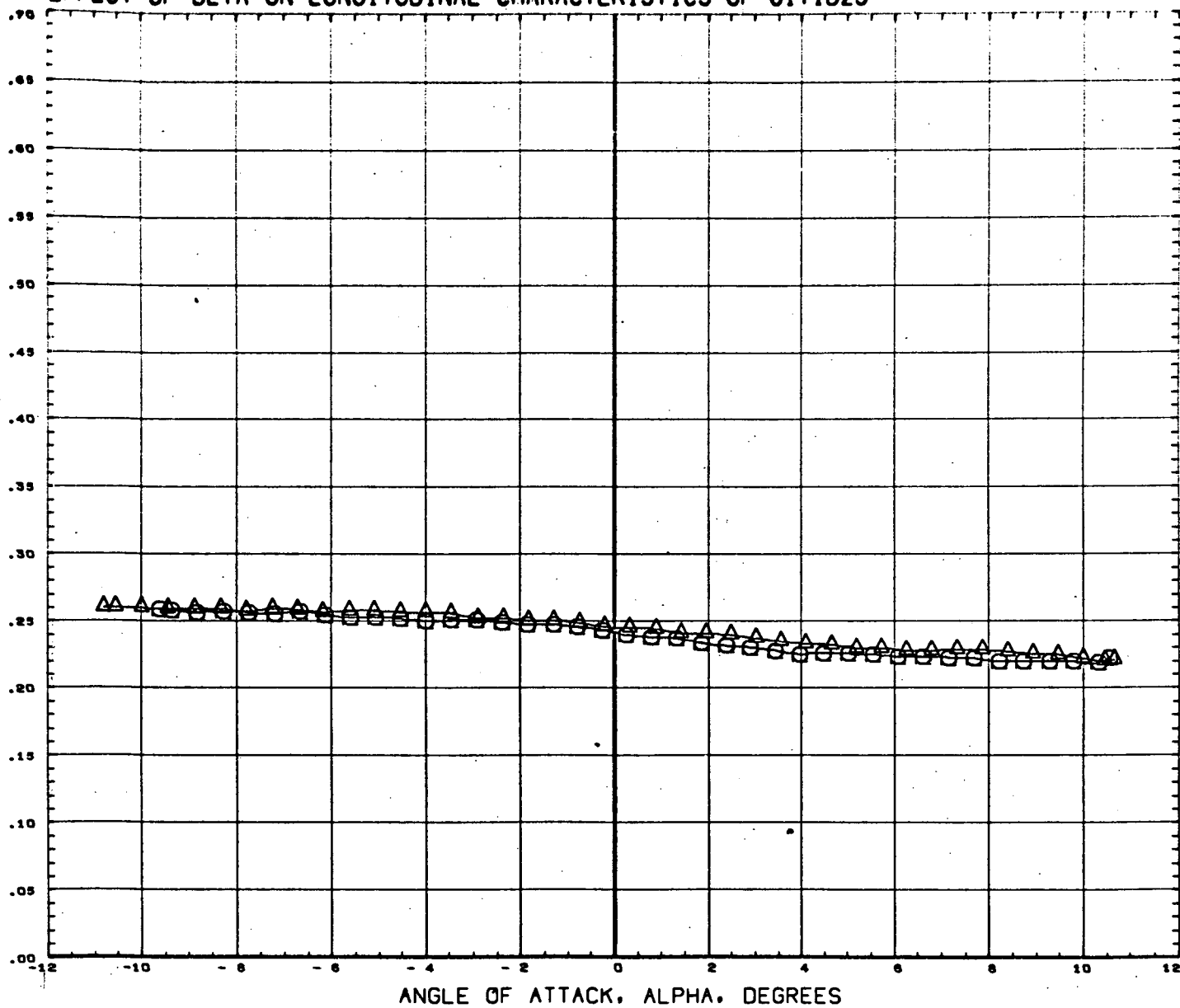
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7516)	MDAC S-222 COMPOSITE (T-CG) 01T1B2S	0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD7517)	MDAC S-222 COMPOSITE (T-CG) 01T1B2S	6.000	0.000	0.000	0.000	LREF	609.5004	IN.
						BREF	682.0004	IN.
						XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH .56

PAGE 394

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T182S

AXIAL FORCE COEFFICIENT, CA



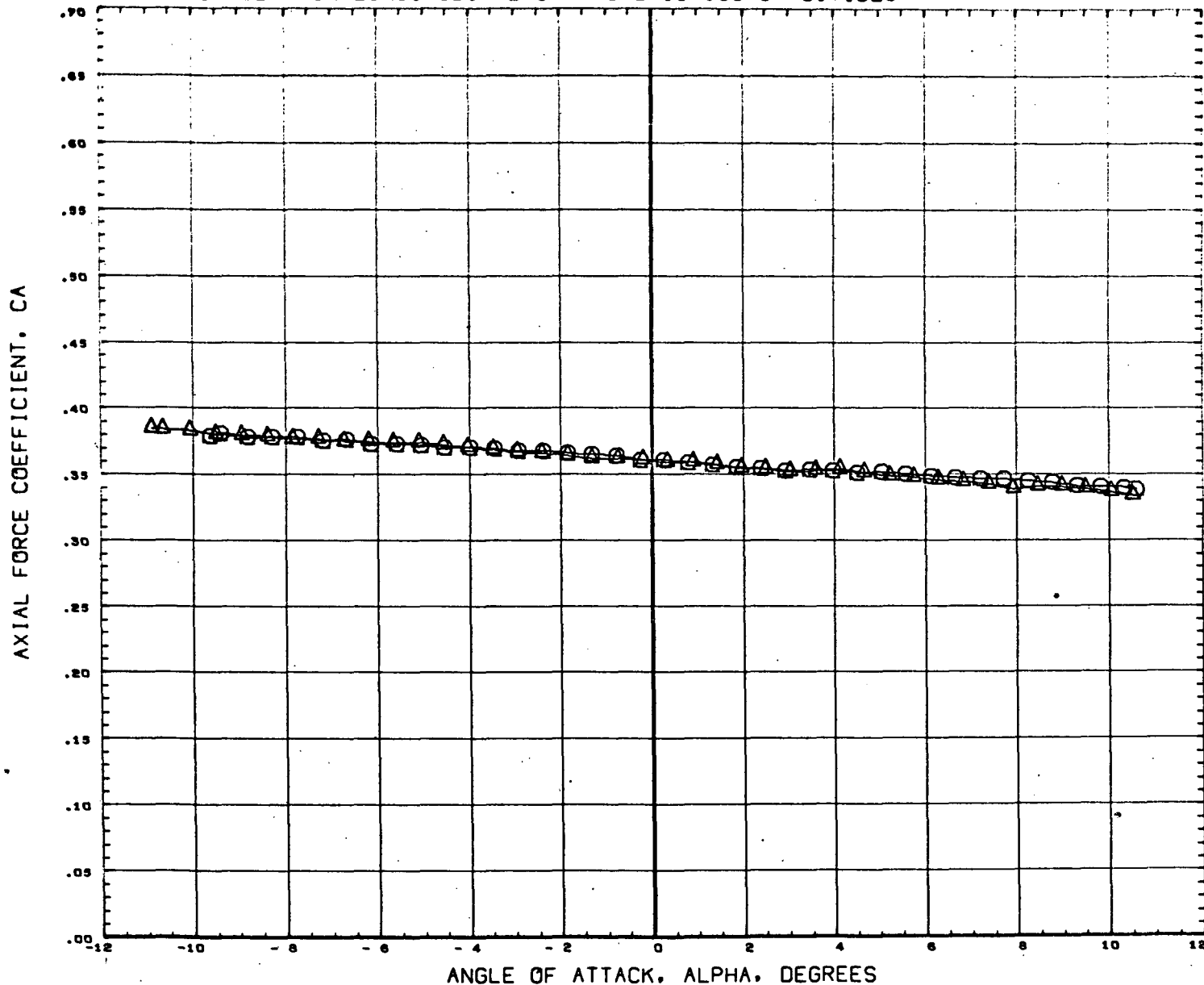
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7516) MDAC S-222 COMPOSITE (T-CG) 01T182S  
 (CD7517) MDAC S-222 COMPOSITE (T-CG) 01T182S

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	682.0004 IN.
				XMRP	357.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

PAGE 395

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B2S



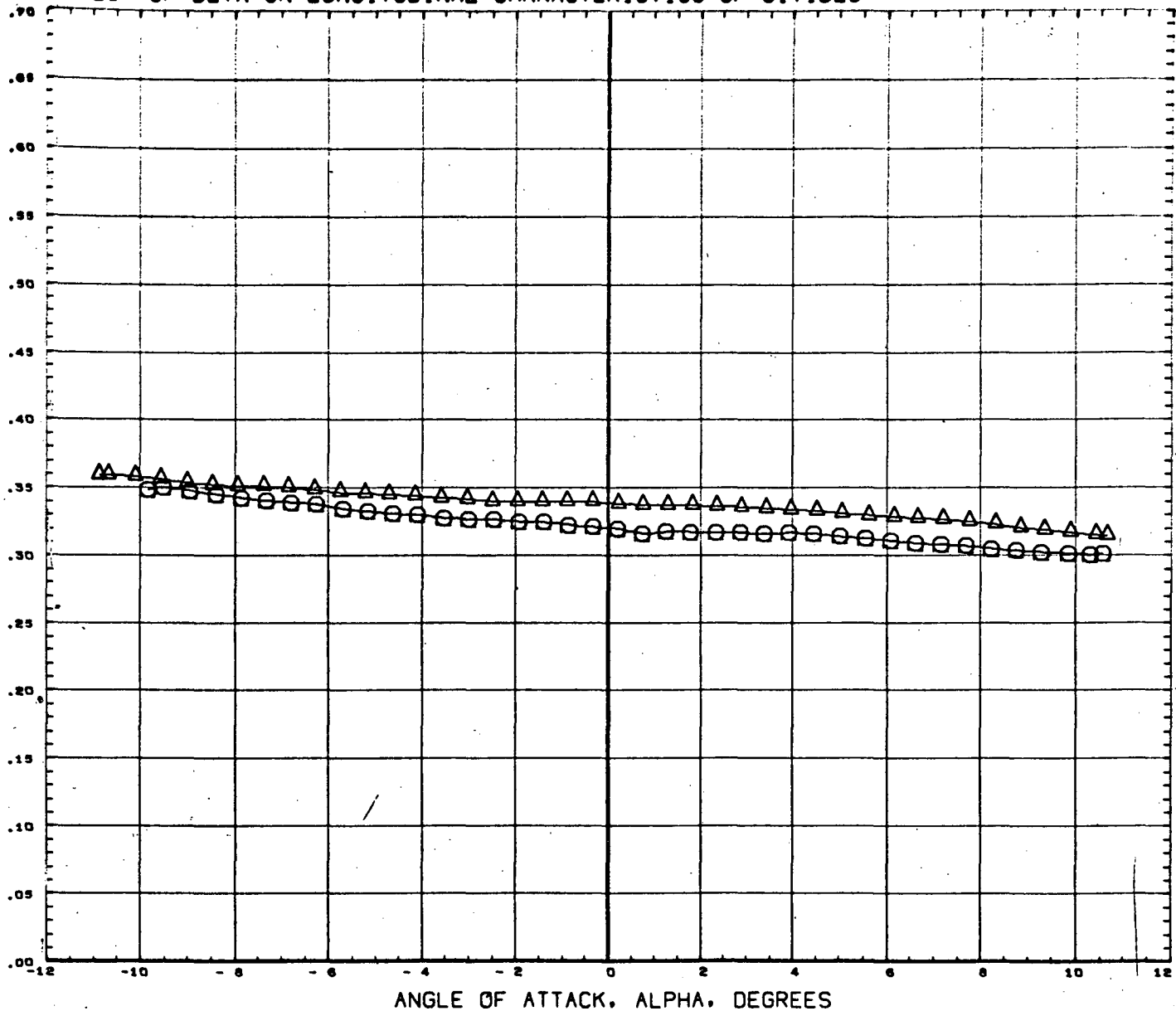
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7516)	MDAC S-222 COMPOSITE(T-CG) 011B2S	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7517)	MDAC S-222 COMPOSITE(T-CG) 011B2S	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.08

PAGE 396

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01182S

AXIAL FORCE COEFFICIENT,  $C_A$



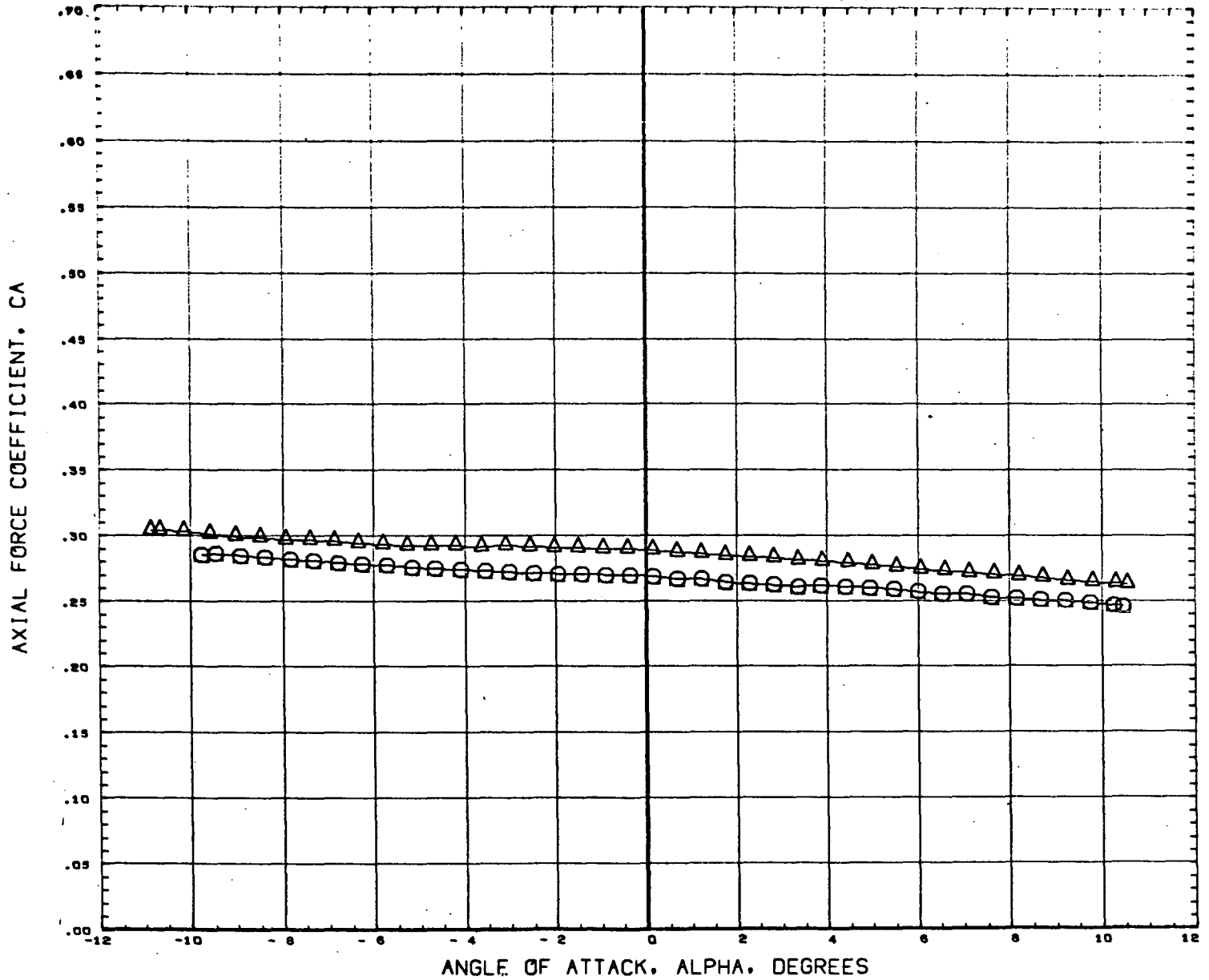
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (C07516) Q MDAC S-222 COMPOSITE(T-CG) 01182S  
 (C07517) Q MDAC S-222 COMPOSITE(T-CG) 01182S

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 397

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7516)	MDAC S-222 COMPOSITE (T-CG) 01T1B2S	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7517)	MDAC S-222 COMPOSITE (T-CG) 01T1B2S	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRP	957.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

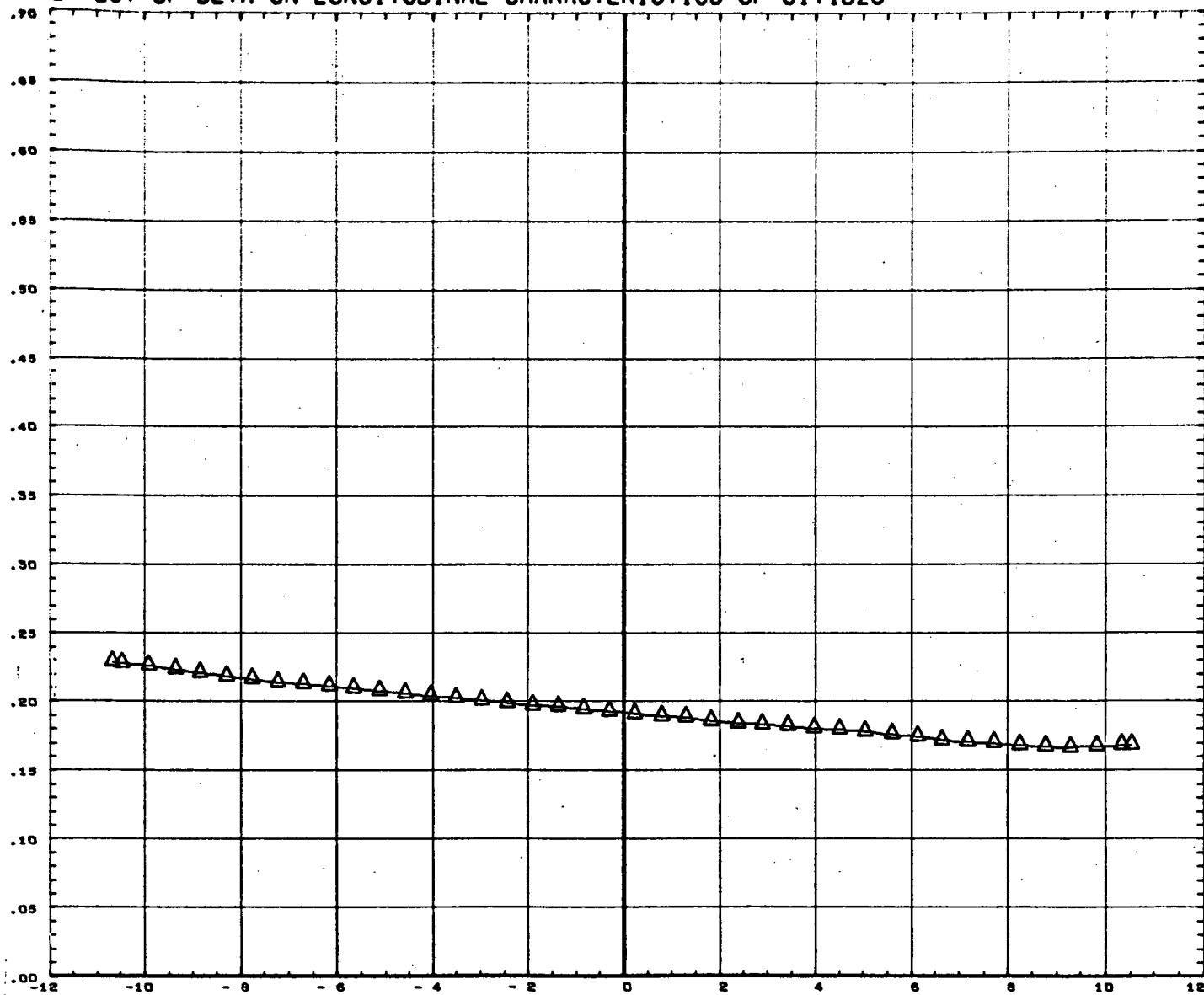
MACH 2.20

PAGE 398



# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S

AXIAL FORCE COEFFICIENT, CA



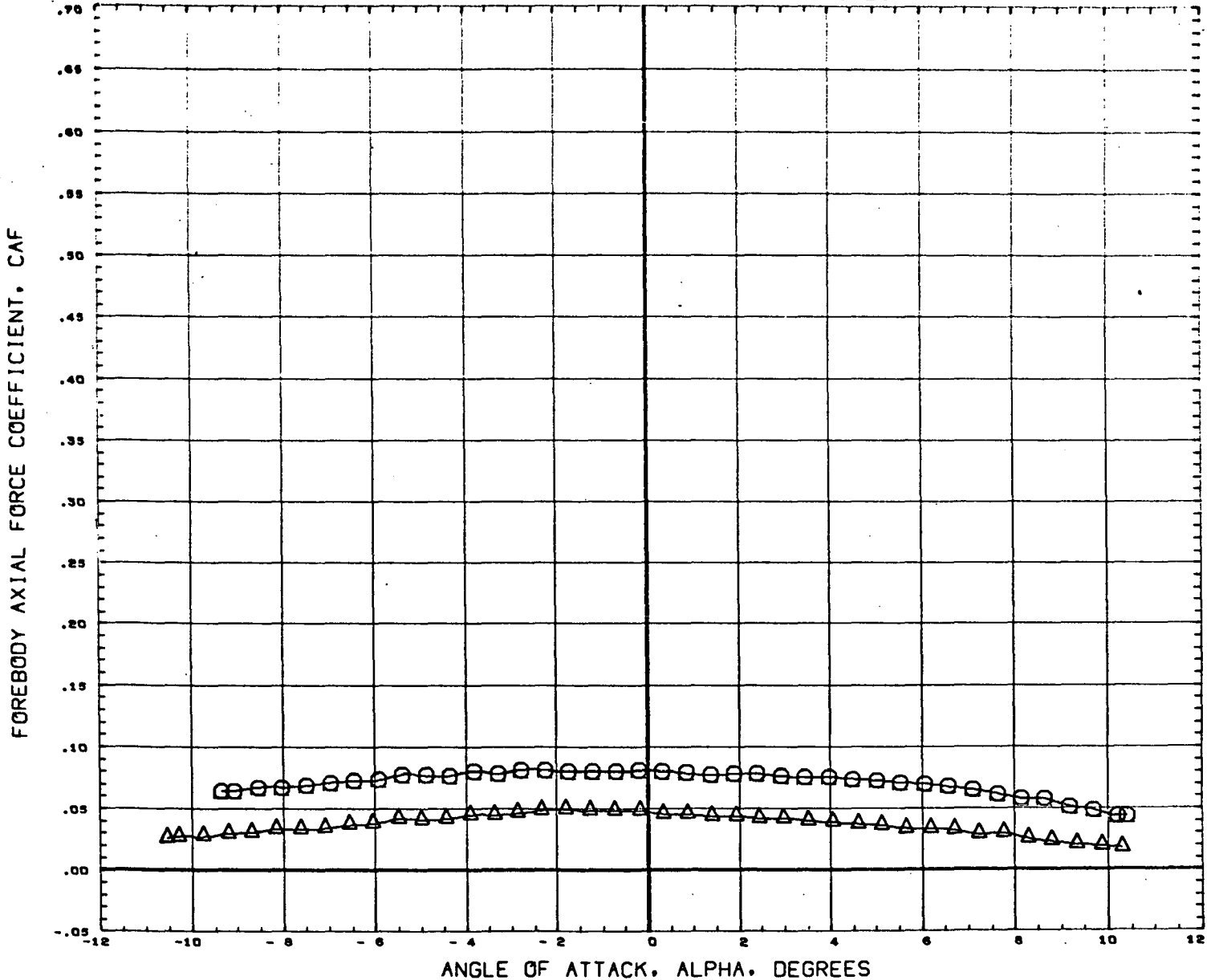
ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7516) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7517) MDAC S-222 COMPOSITE (T-CG) 01T1B2S

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S



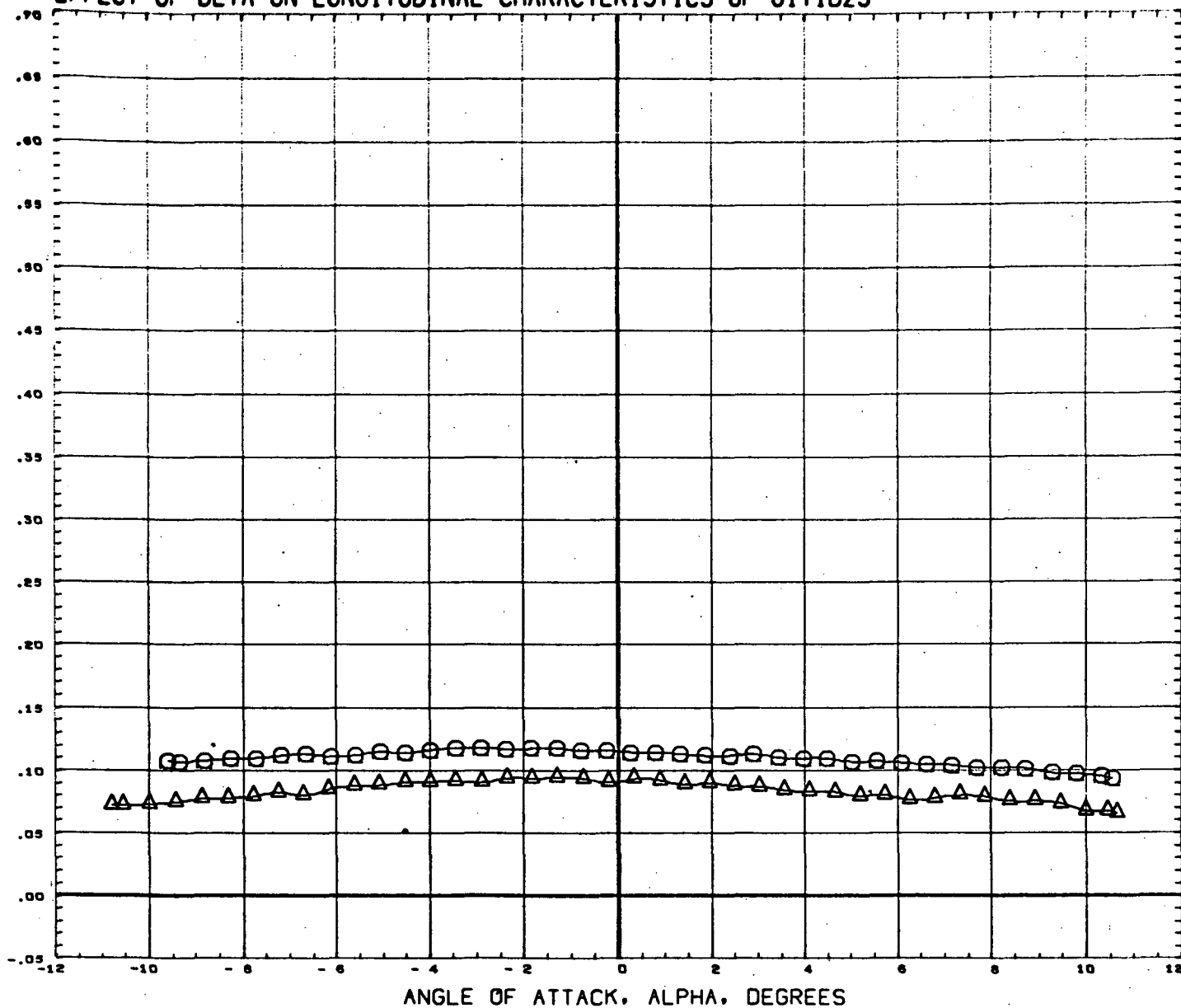
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7516)	MDAC S-222 COMPOSITE(T-CG) 01T1B2S	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7517)	MDAC S-222 COMPOSITE(T-CG) 01T1B2S	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	957.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .56

PAGE 400

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B2S

FOREBODY AXIAL FORCE COEFFICIENT, CAF



DATA SET SYMBOL      CONFIGURATION DESCRIPTION  
 (CD7516)      MDAC S-222 COMPOSITE (T-CG) 011B2S  
 (CD7517)      MDAC S-222 COMPOSITE (T-CG) 011B2S

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	662.0004 IN.
				XMRF	557.0004 IN.
				YMRF	0.0000 IN.
				ZMRF	200.0004 IN.
				SCALE	0.0060

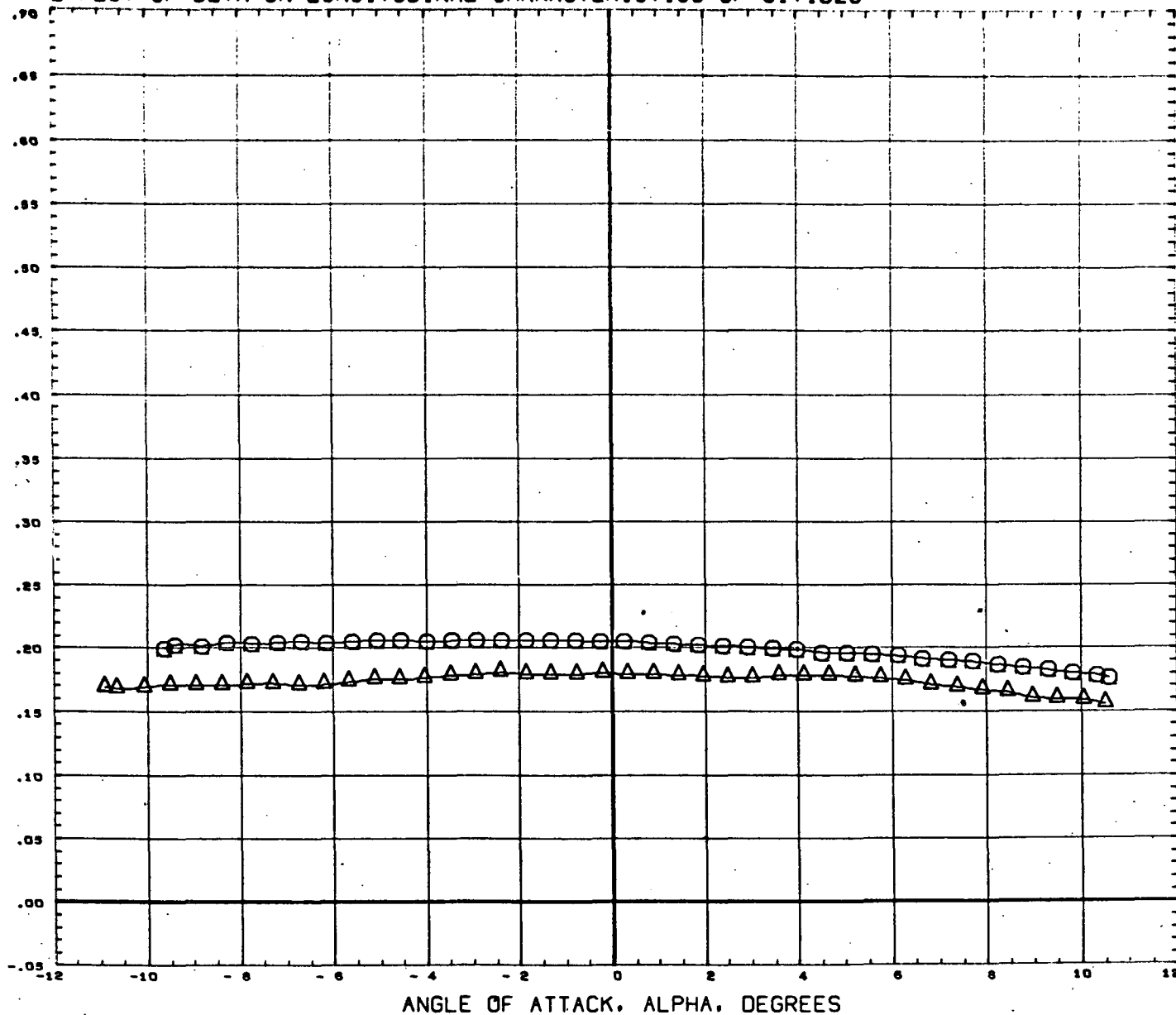
MACH

.89

PAGE 401

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T182S

FOREBODY AXIAL FORCE COEFFICIENT, CAF



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7516)	MDAC S-222 COMPOSITE (T-CG) 01T182S	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7517)	MDAC S-222 COMPOSITE (T-CG) 01T182S	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

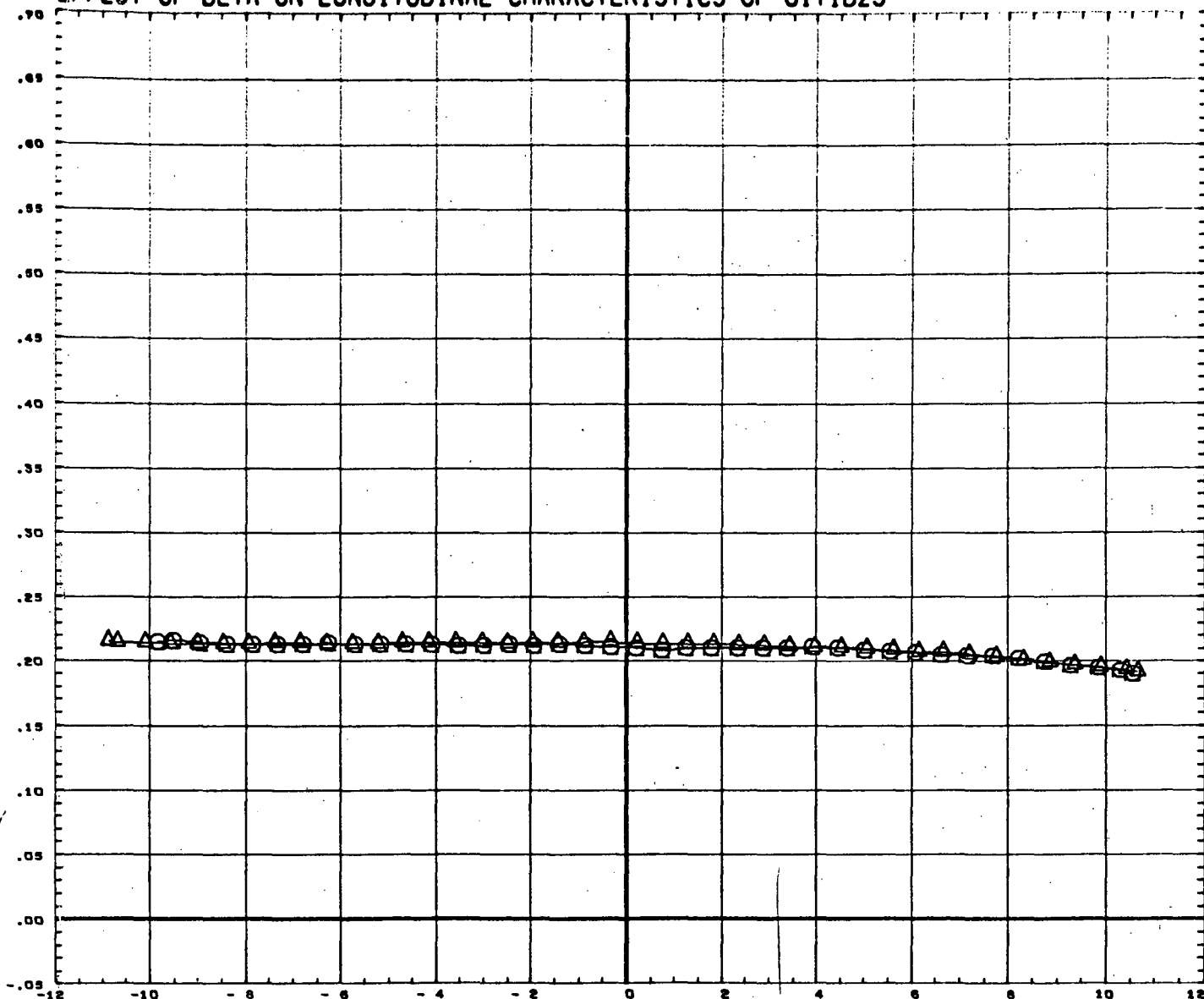
MACH

1.08

PAGE 402

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B2S

FOREBODY AXIAL FORCE COEFFICIENT, CAF



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (C07516) MDAC S-222 COMPOSITE (T-CG) 011B2S  
 (C07517) MDAC S-222 COMPOSITE (T-CG) 011B2S

BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 6.000 0.000 0.000 0.000

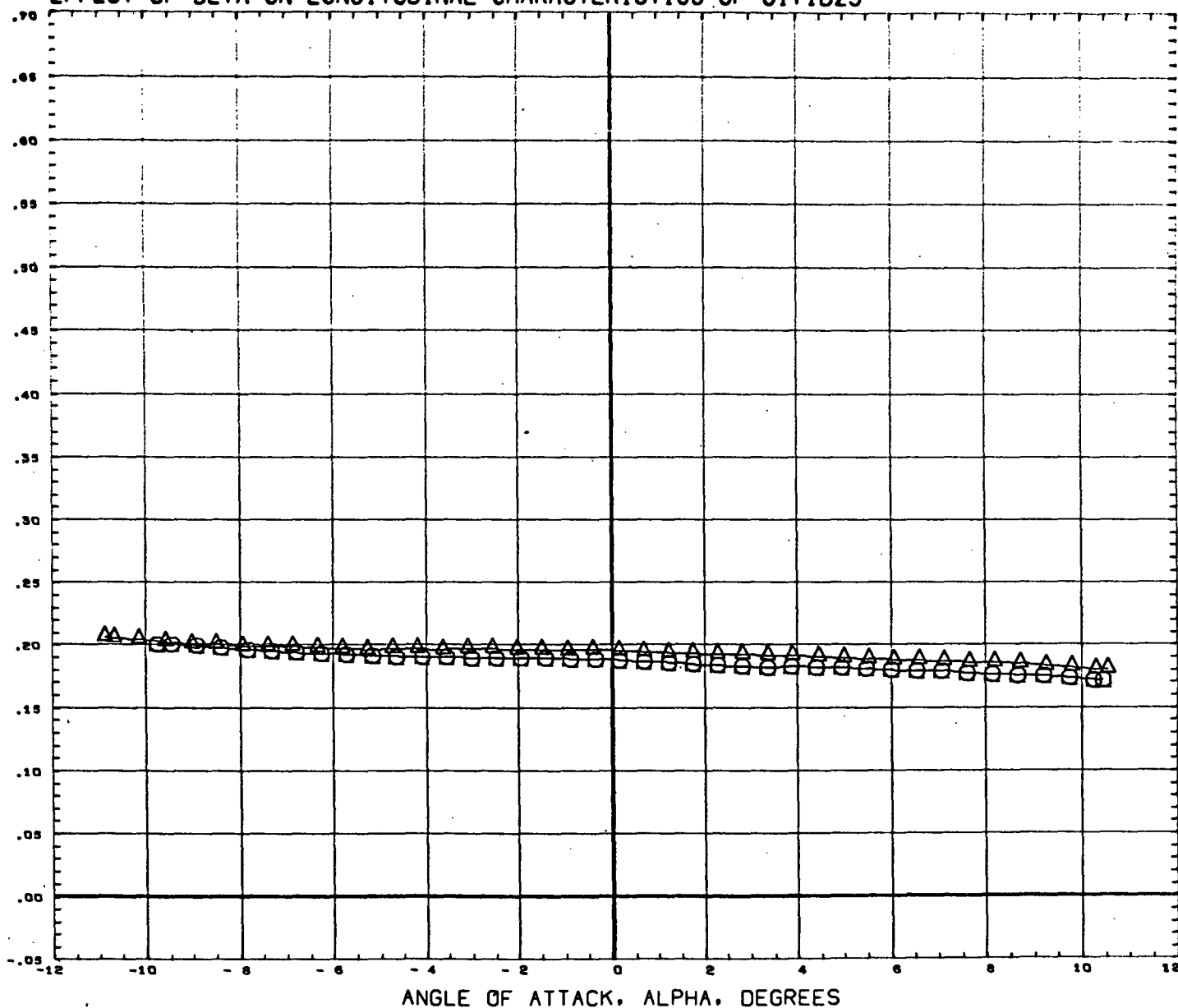
REFERENCE INFORMATION  
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 LREF 609.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH 1.51

PAGE 403

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S

FOREBODY AXIAL FORCE COEFFICIENT, CAF



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7516) MDAC S-222 COMPOSITE (T-CG) 01T1B2S  
 (CD7517) MDAC S-222 COMPOSITE (T-CG) 01T1B2S

BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 6.000 0.000 0.000 0.000

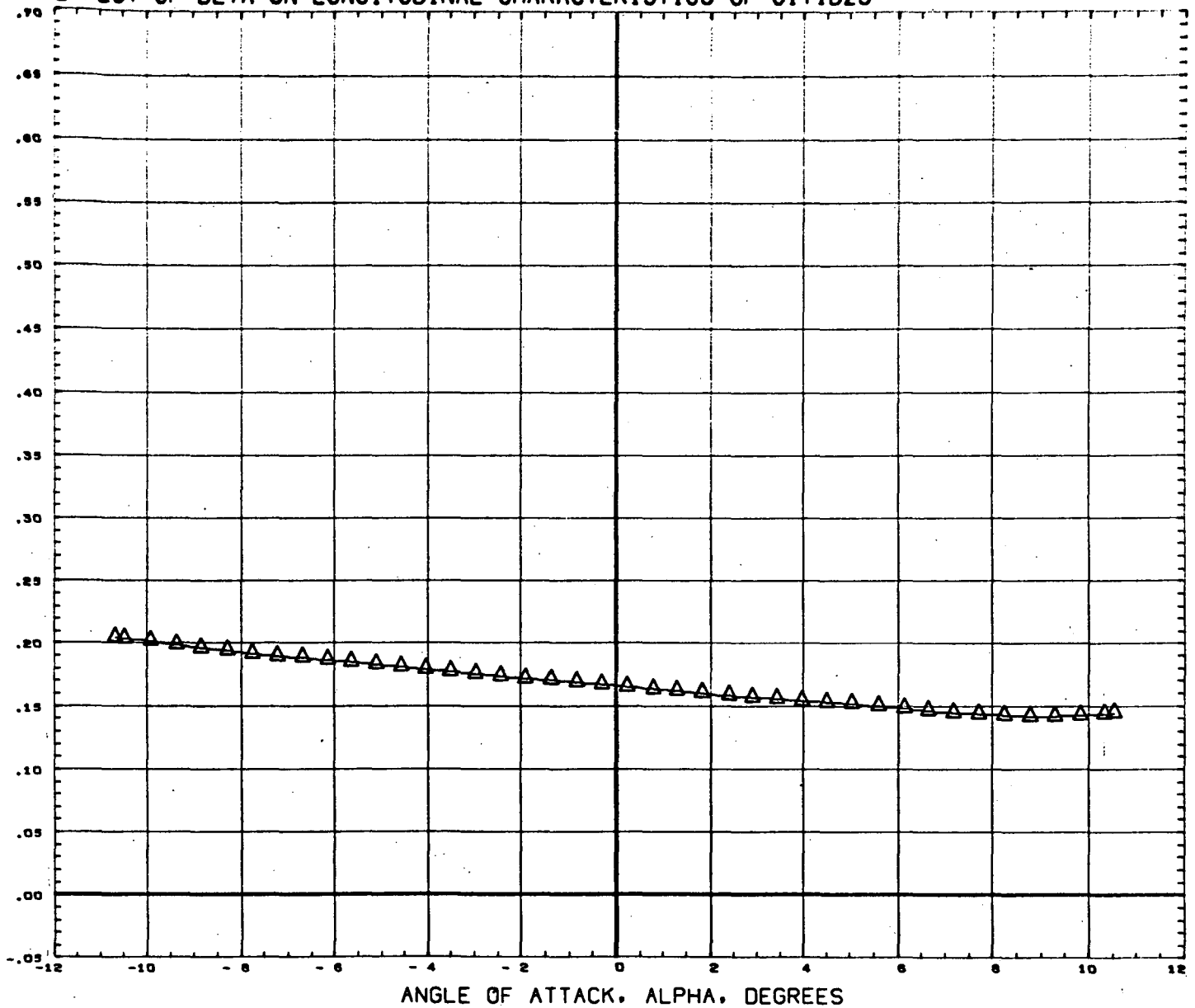
REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0080

MACH 2.20

PAGE 404

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S

FOREBODY AXIAL FORCE COEFFICIENT, CAF



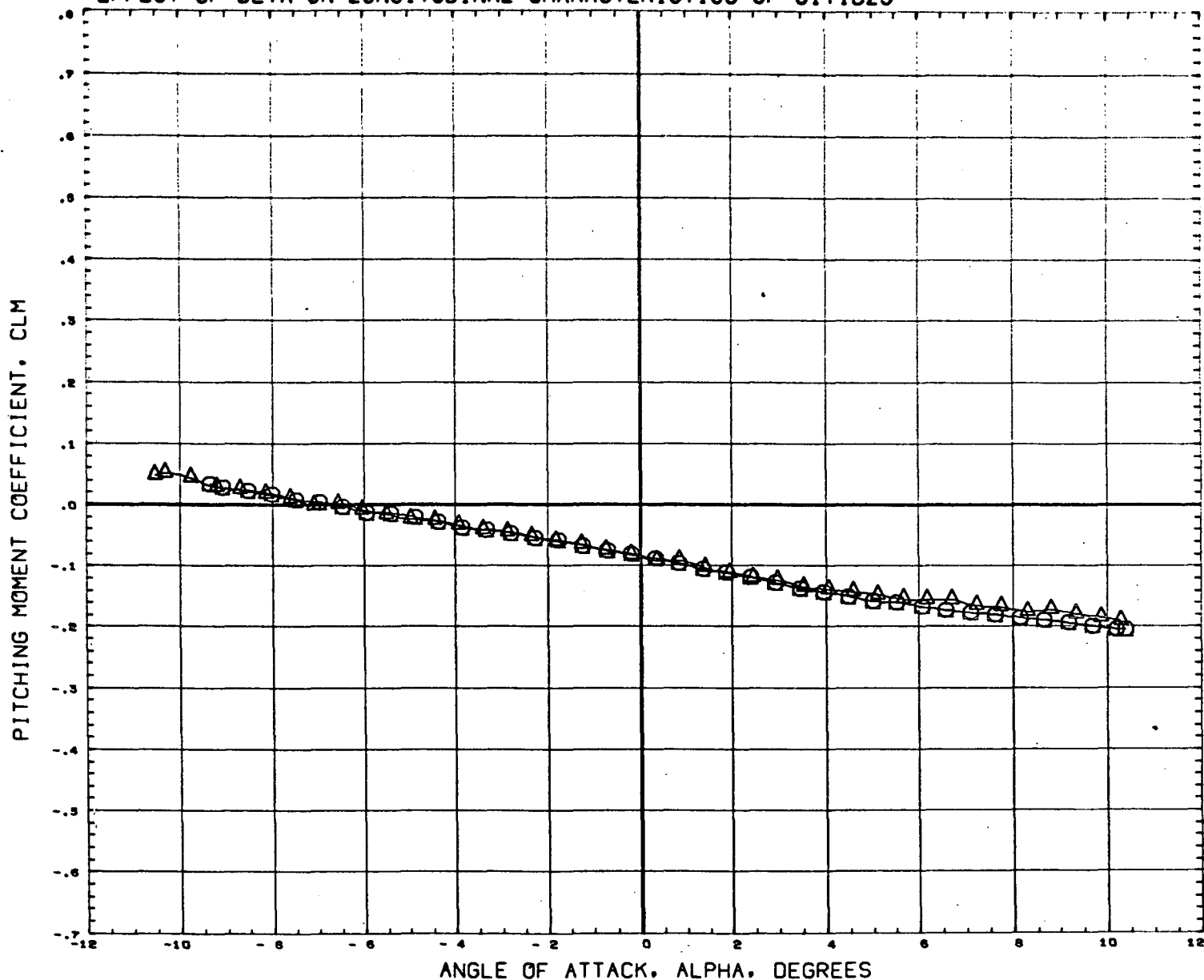
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7316) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7317) MDAC S-222 COMPOSITE (T-CG) 01T1B2S

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	662.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

PAGE 405

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B2S



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7516) ○	MDAC S-222 COMPOSITE (T-CG) 011B2S
(CD7517) △	MDAC S-222 COMPOSITE (T-CG) 011B2S

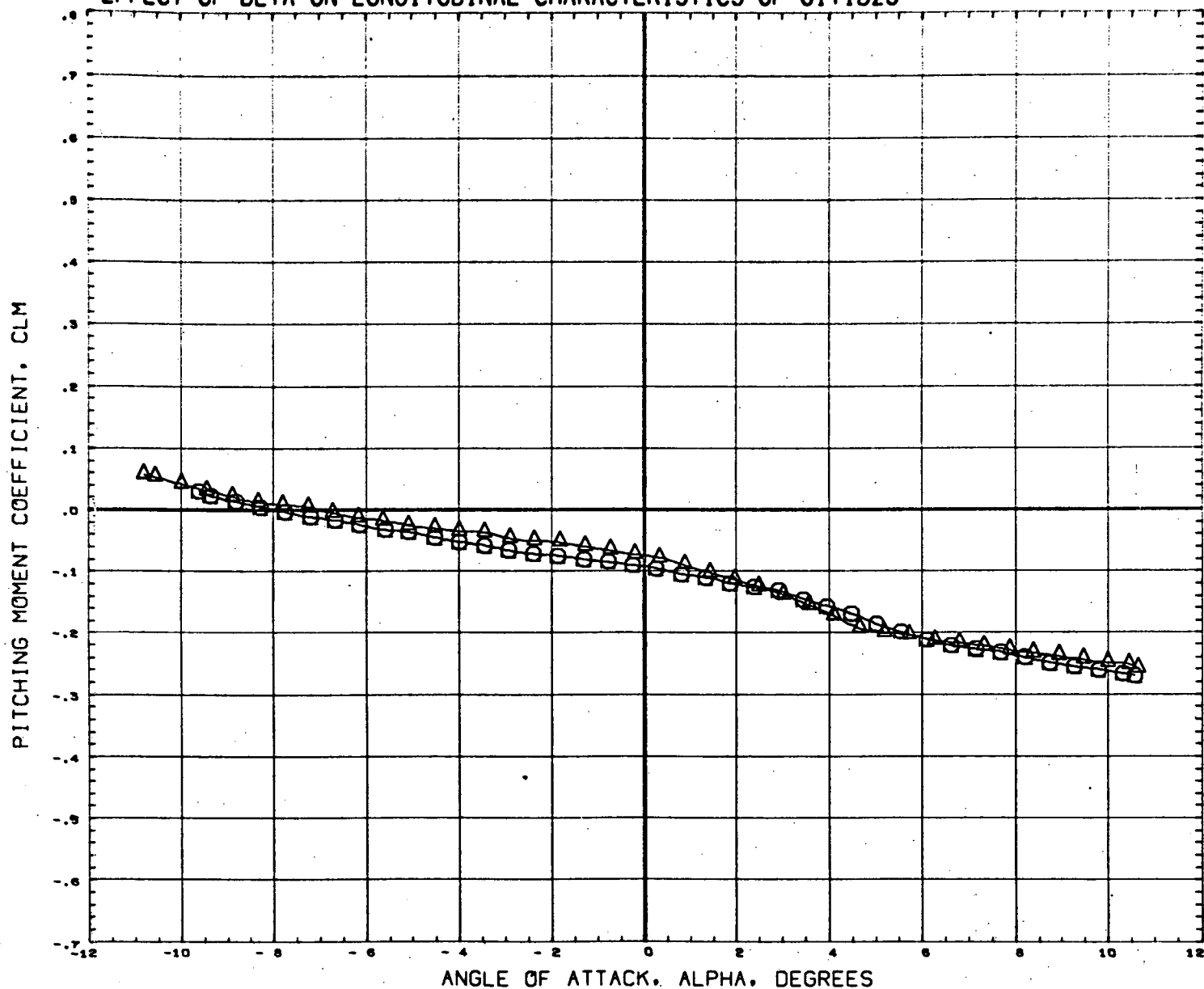
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .56

PAGE 406



# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7516) MDAC S-222 COMPOSITE (T-C6) 01T1B2S  
 (CD7517) MDAC S-222 COMPOSITE (T-C6) 01T1B2S

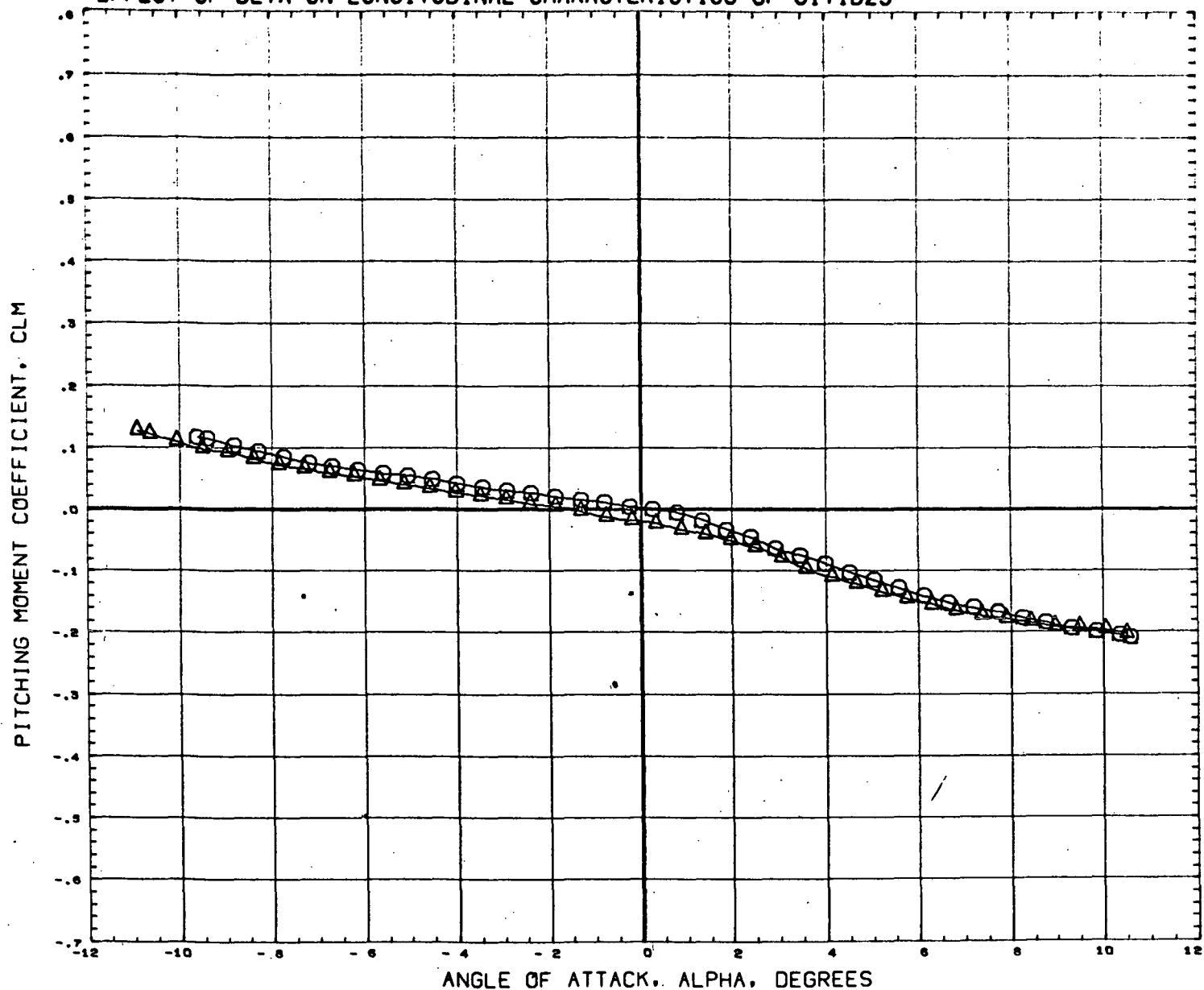
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRRP	557.0004 IN.
				YMRRP	0.0000 IN.
				ZMRRP	200.0004 IN.
				SCALE	0.0060

MACH

.89

PAGE 407

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S



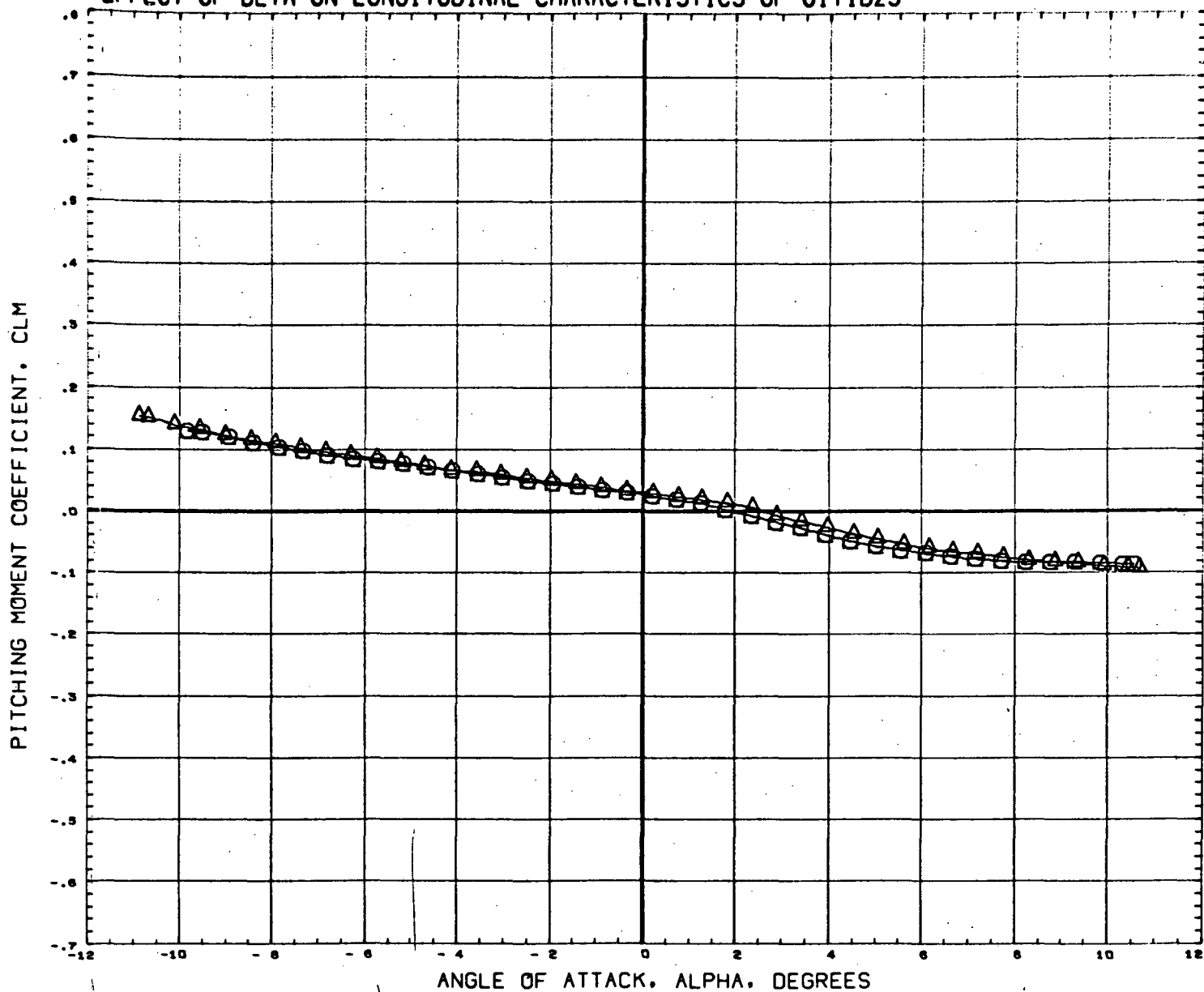
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7916) MDAC S-222 COMPOSITE (T-CG) 01T1B2S  
 (CD7917) MDAC S-222 COMPOSITE (T-CG) 01T1B2S

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.08

PAGE 408

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S



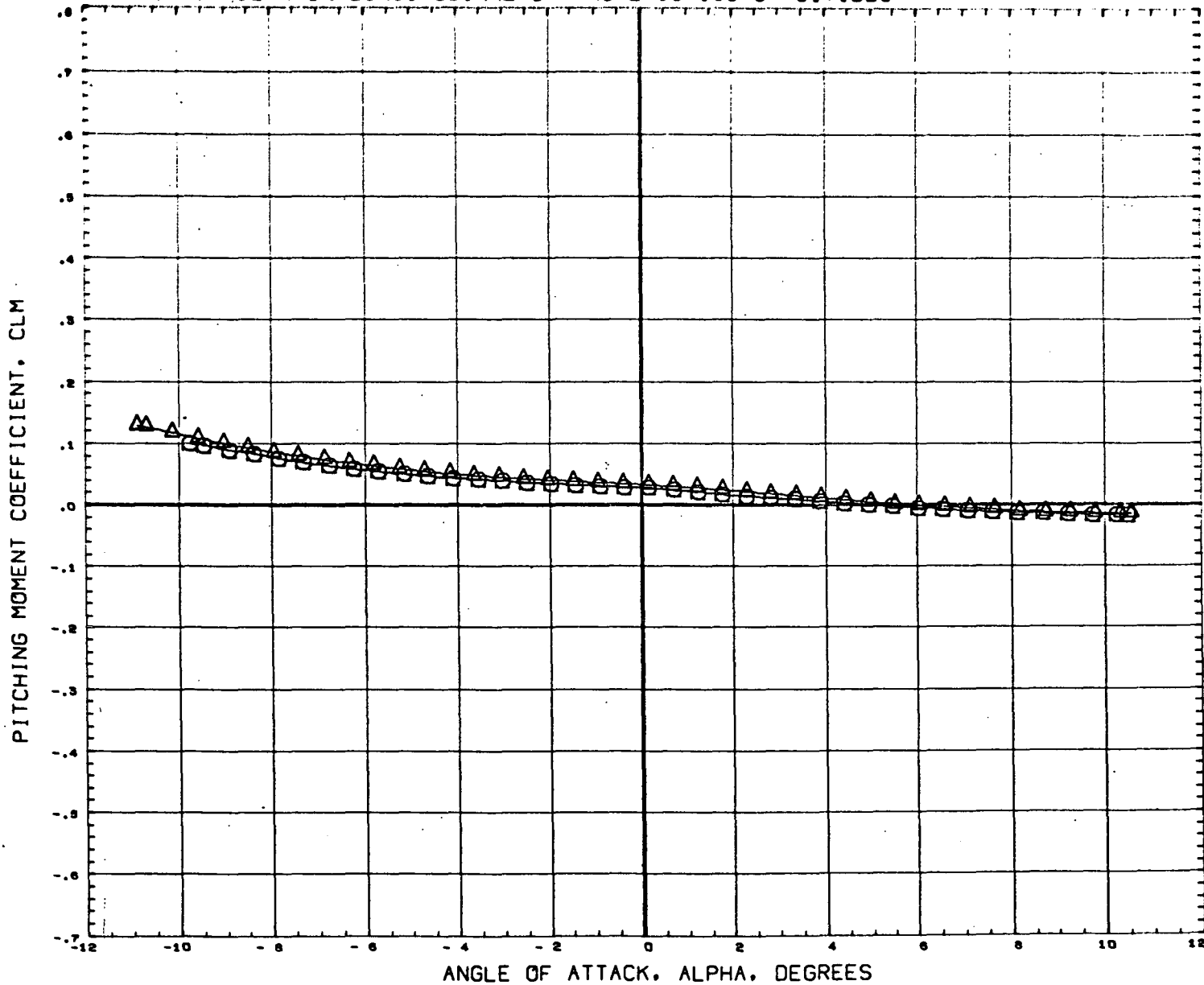
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7516)    ○    MDAC S-222 COMPOSITE (T-CG) 01T1B2S  
 (CD7517)    △    MDAC S-222 COMPOSITE (T-CG) 01T1B2S

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH            1.51

PAGE    409

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7516)  $\bigcirc$  MDAC S-222 COMPOSITE (T-CG) 01T1B2S  
 (CD7517)  $\triangle$  MDAC S-222 COMPOSITE (T-CG) 01T1B2S

BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 6.000 0.000 0.000 0.000

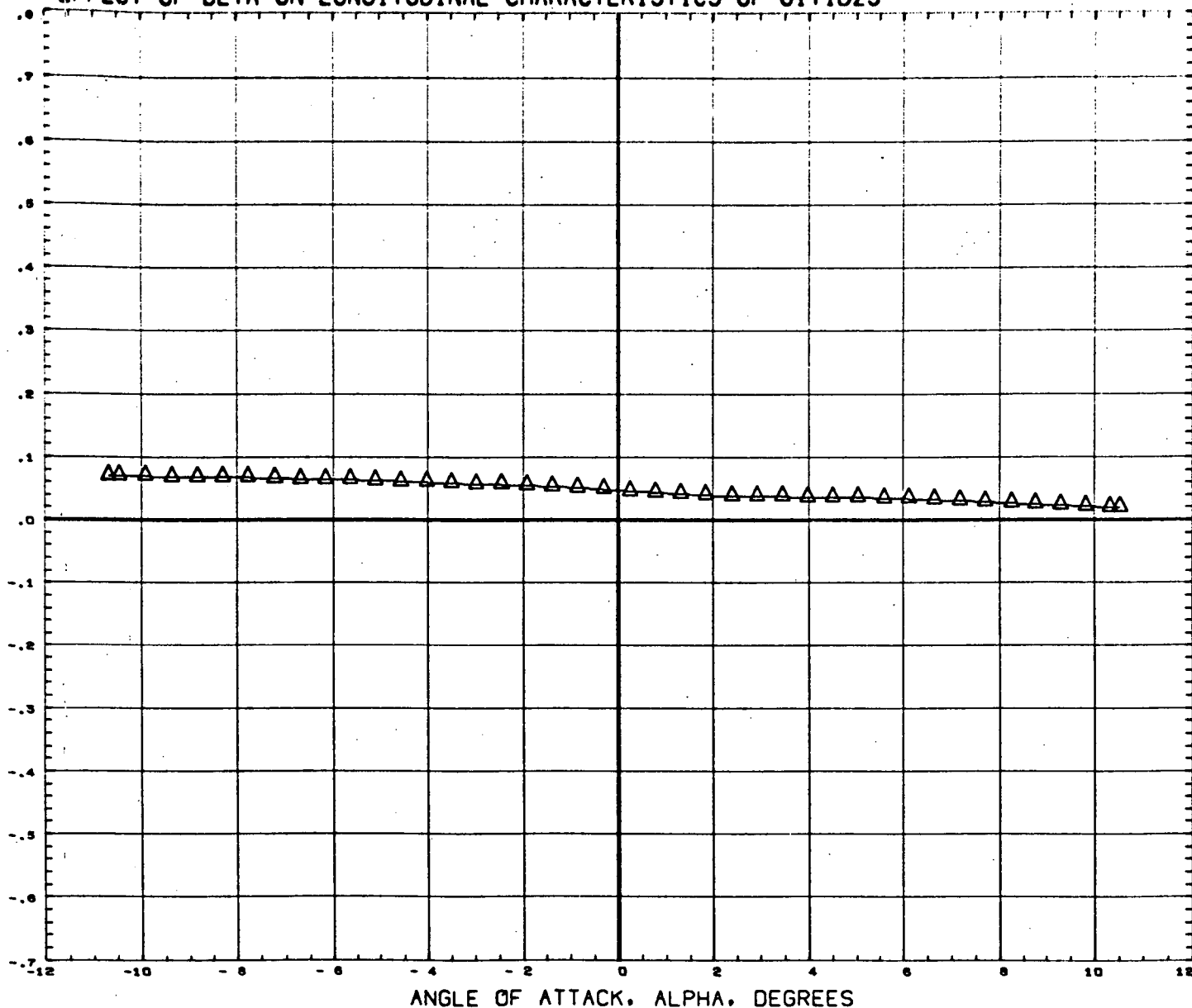
REFERENCE INFORMATION  
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 LREF 609.5004 IN.  
 BREF 682.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH 2.20

PAGE 410

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S

PITCHING MOMENT COEFFICIENT, CLM



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7516) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7517) MDAC S-222 COMPOSITE (T-CG) 01T1B2S

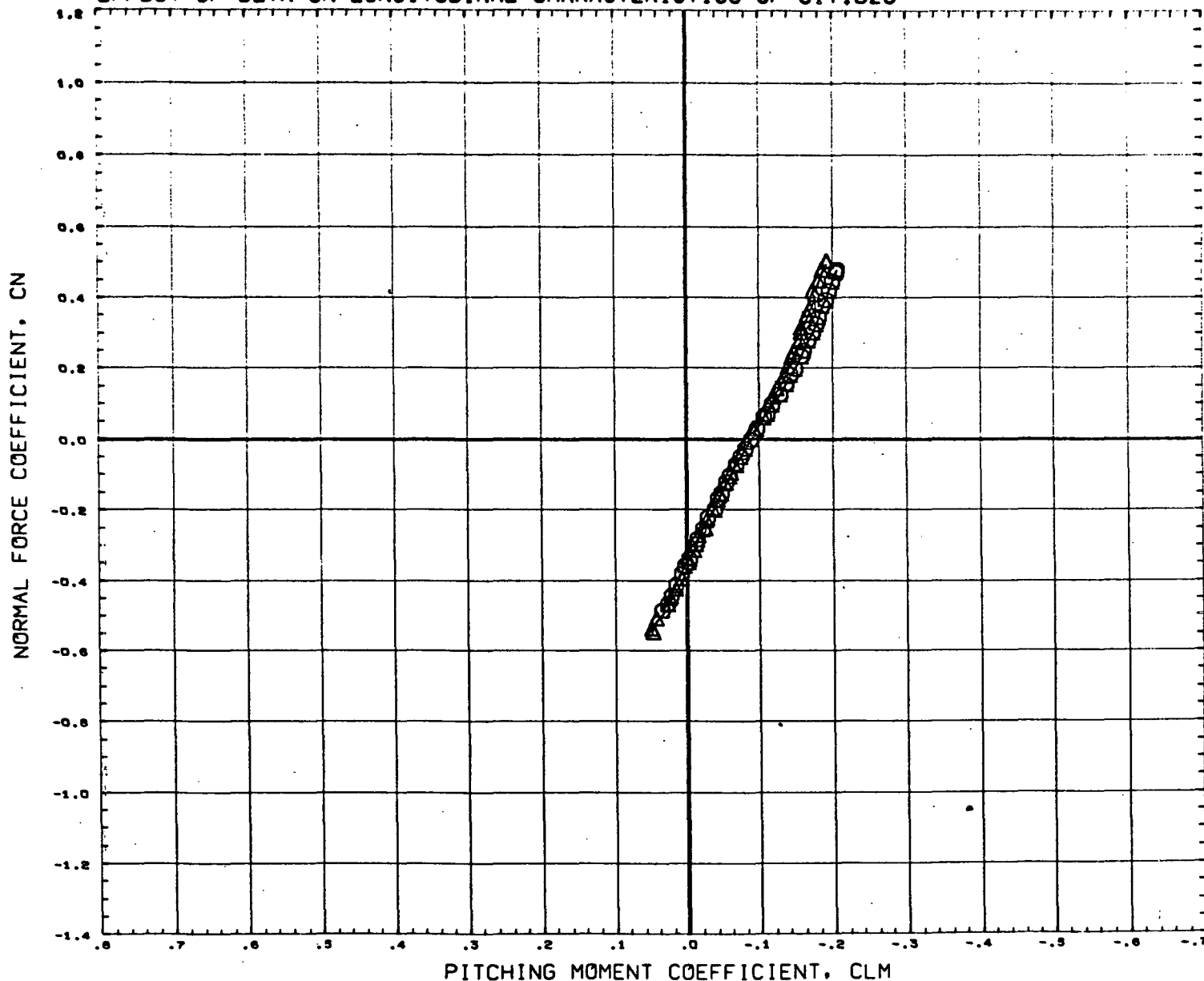
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH

4.47

PAGE 411

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S



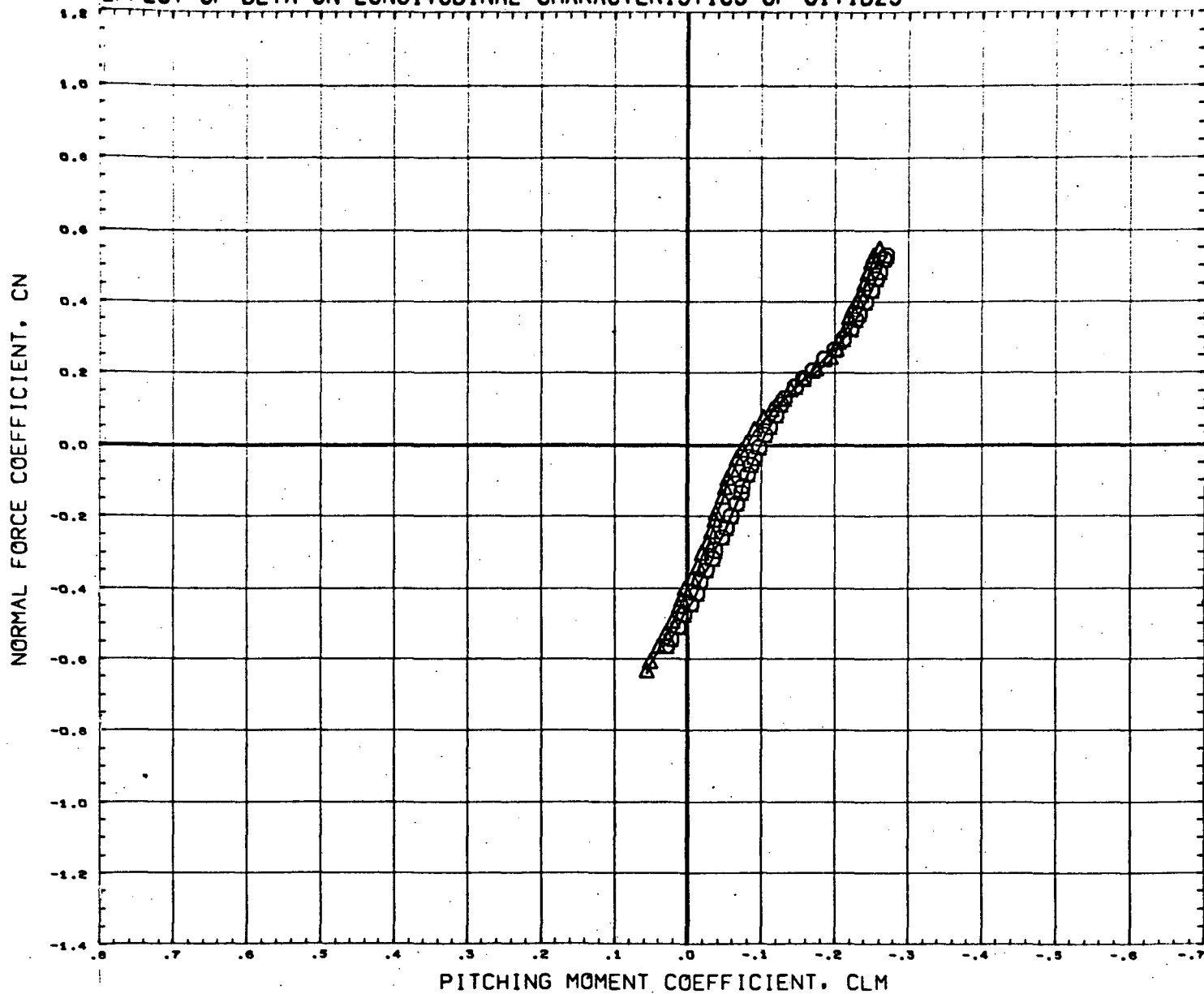
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7516)	MDAC S-222 COMPOSITE (T-CG) 01T1B2S
(CD7517)	MDAC S-222 COMPOSITE (T-CG) 01T1B2S

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .56

PAGE 412

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S



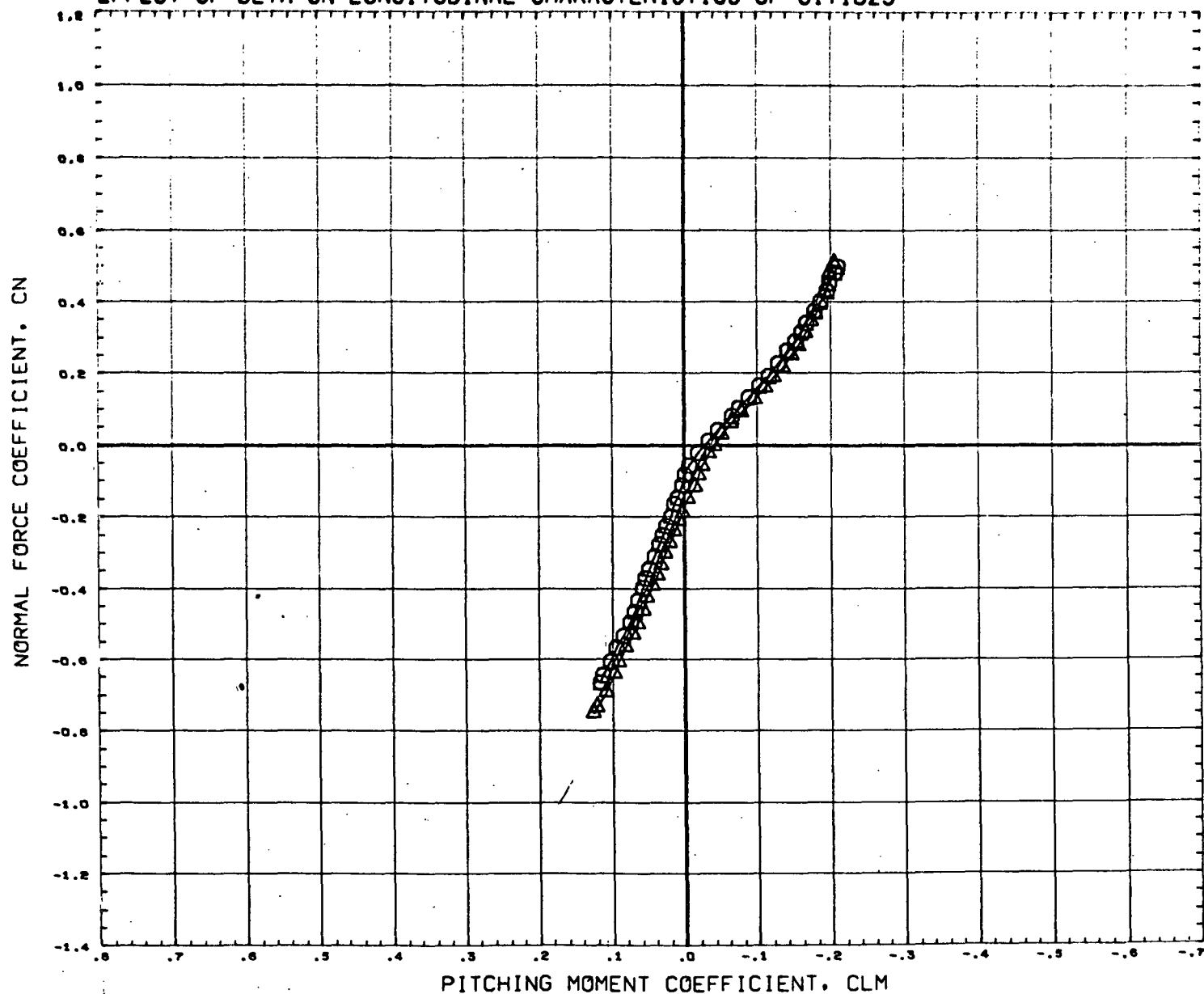
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7516) MDAC S-222 COMPOSITE(T-CG) 01T1B2S  
 (CD7517) MDAC S-222 COMPOSITE(T-CG) 01T1B2S

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	937.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

PAGE 413

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B2S



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7516)	MDAC S-222 COMPOSITE (T-CG) 011B2S	0.000	0.000	0.000	0.000	SREF	3155.3040	50. FT.
(CD7517)	MDAC S-222 COMPOSITE (T-CG) 011B2S	6.000	0.000	0.000	0.000	LREF	609.3004	IN.
						BREF	882.0004	IN.
						XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

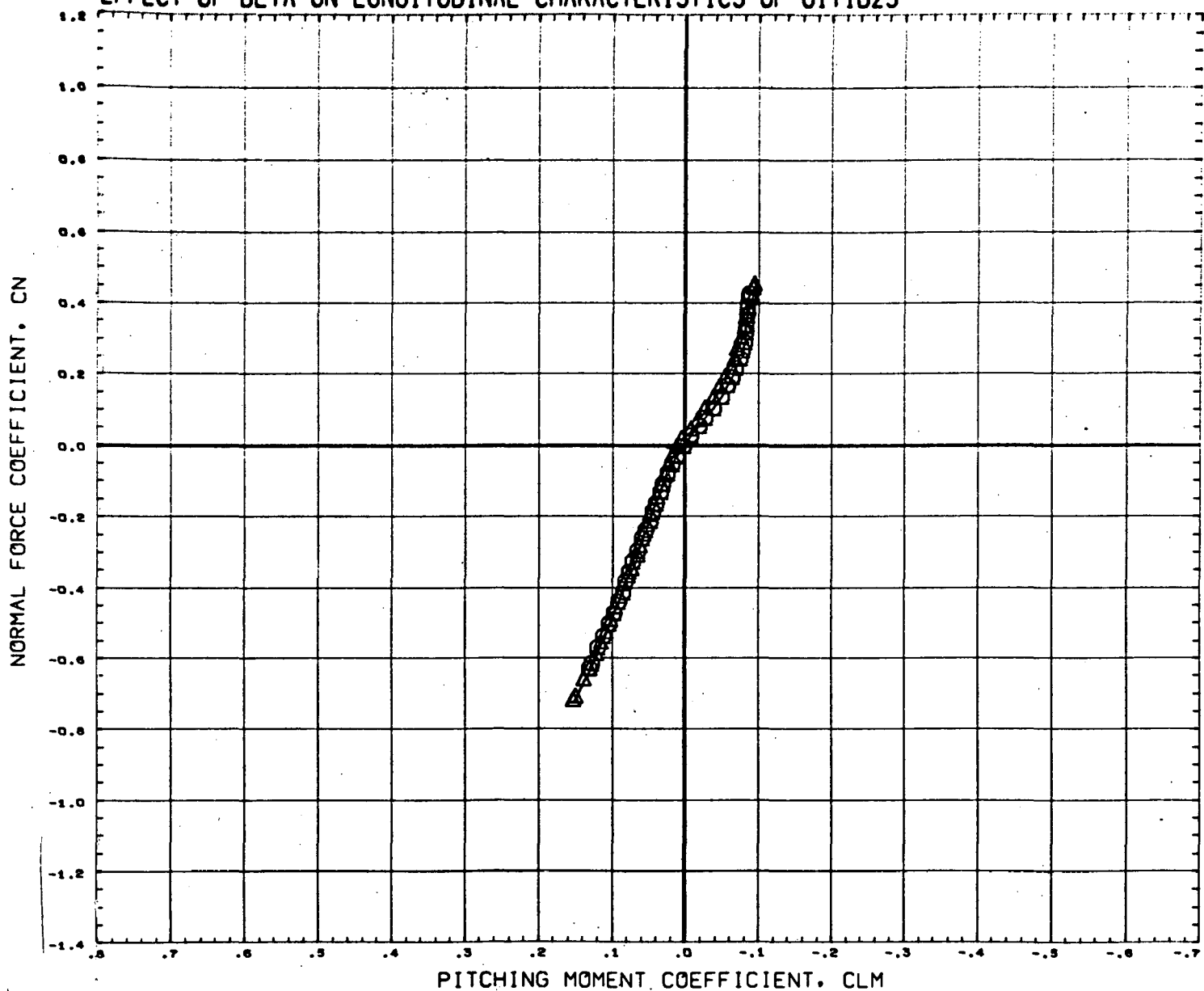
MACH

1.08

PAGE 414



# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S



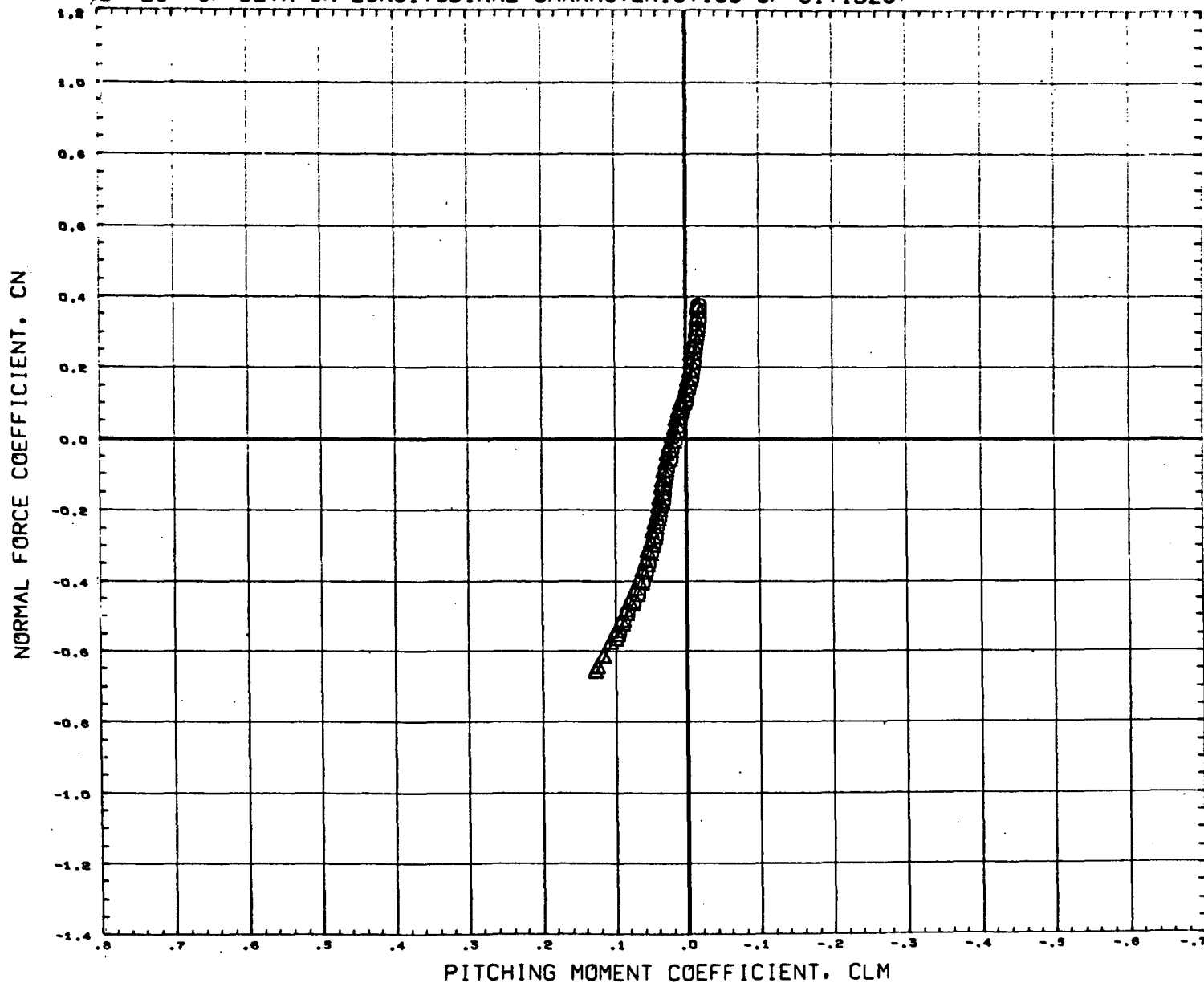
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
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 (CD7517)  $\Delta$  MDAC S-222 COMPOSITE (T-CG) 01T1B2S

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 415

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S



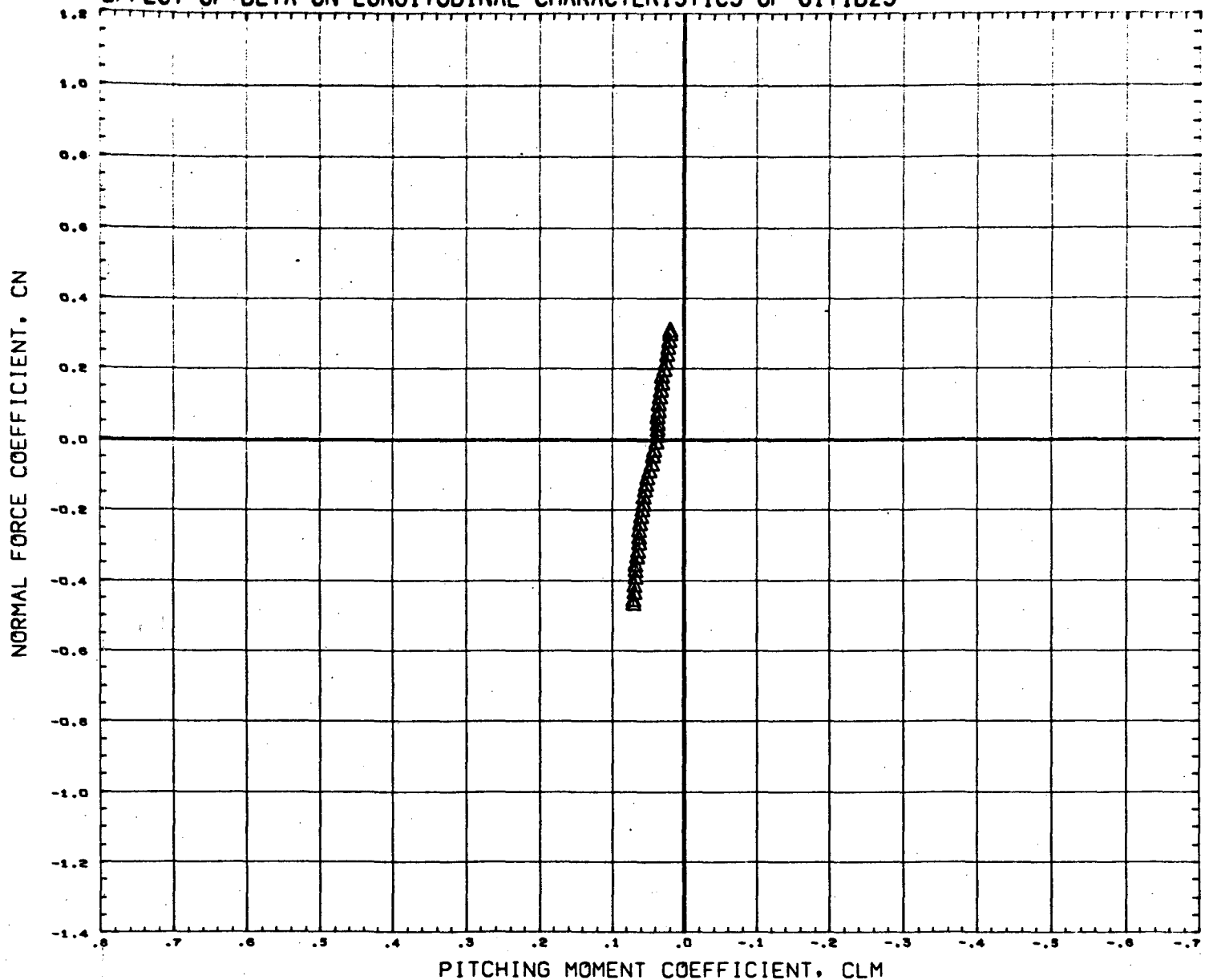
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(CD7517)	A HDAC S-222 COMPOSITE (T-CG) 01T1B2S

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

PAGE 416

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S



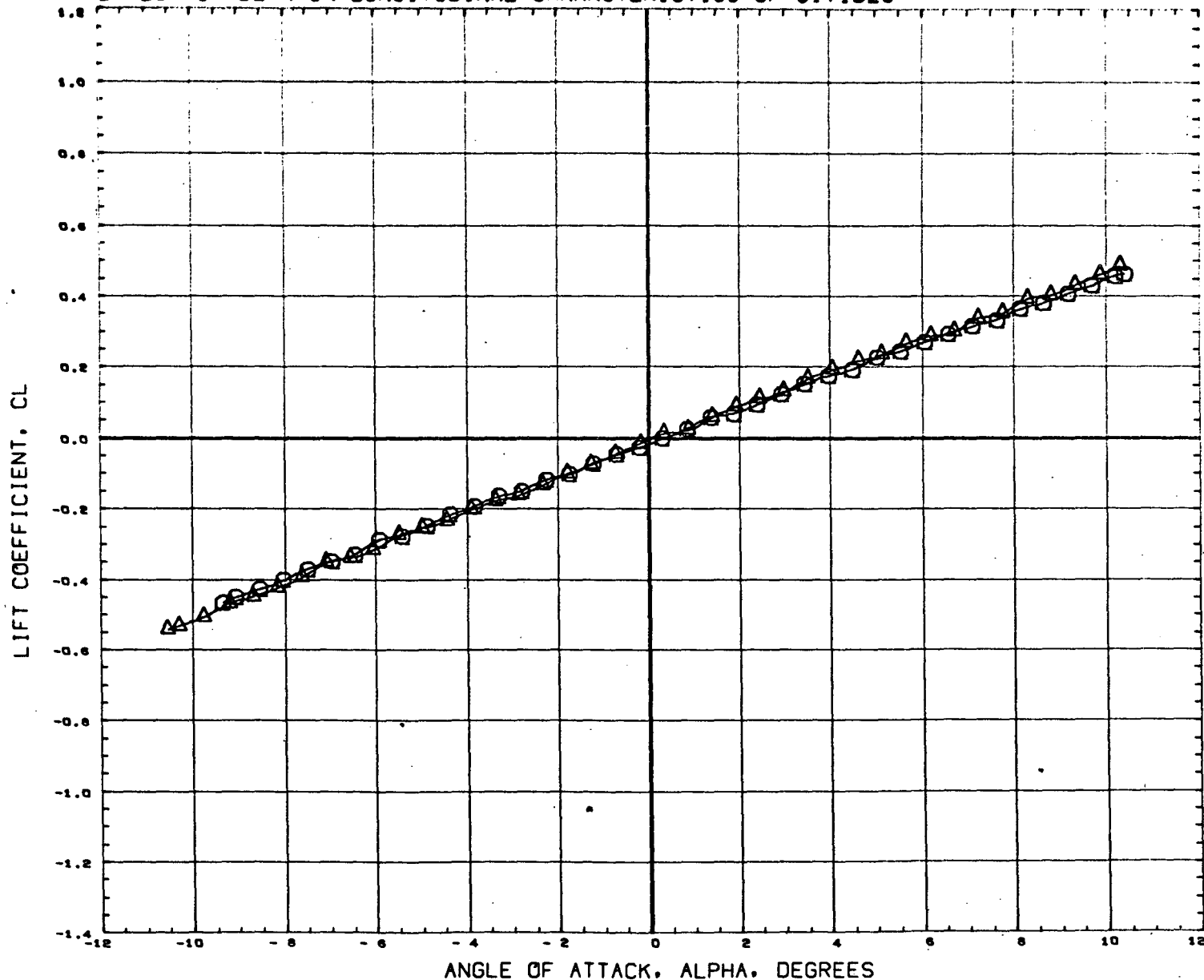
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 (CD7516) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7517) MDAC S-222 COMPOSITE(T-CG) 01T1B2S

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060



MACH 4.47

PAGE 417

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C07516)  MDAC S-222 COMPOSITE (T-CG) 01T1B2S  
 (C07517)  MDAC S-222 COMPOSITE (T-CG) 01T1B2S

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6.000	0.000	0.000	0.000

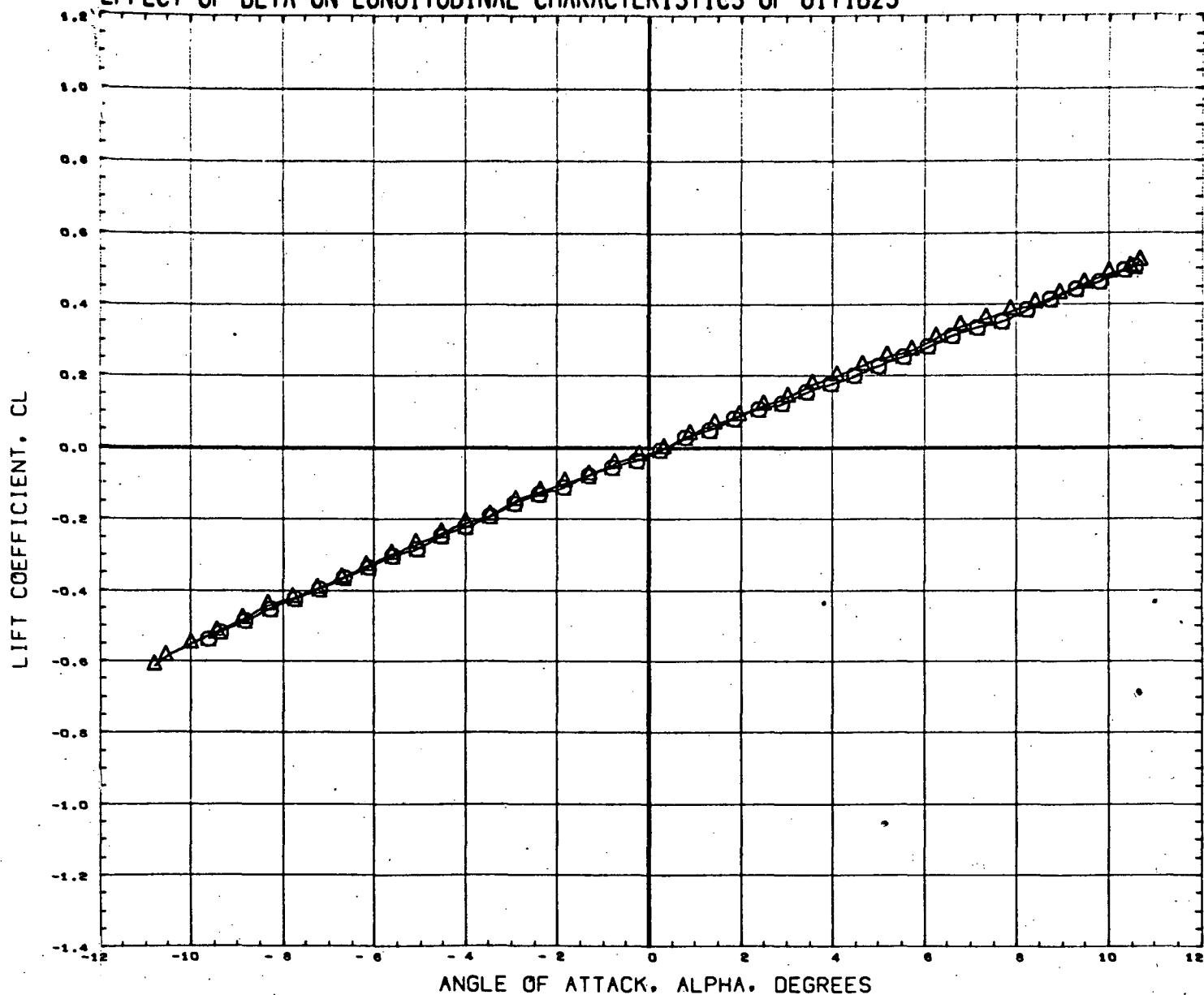
REFERENCE INFORMATION



SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	862.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH .56

PAGE 418

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S



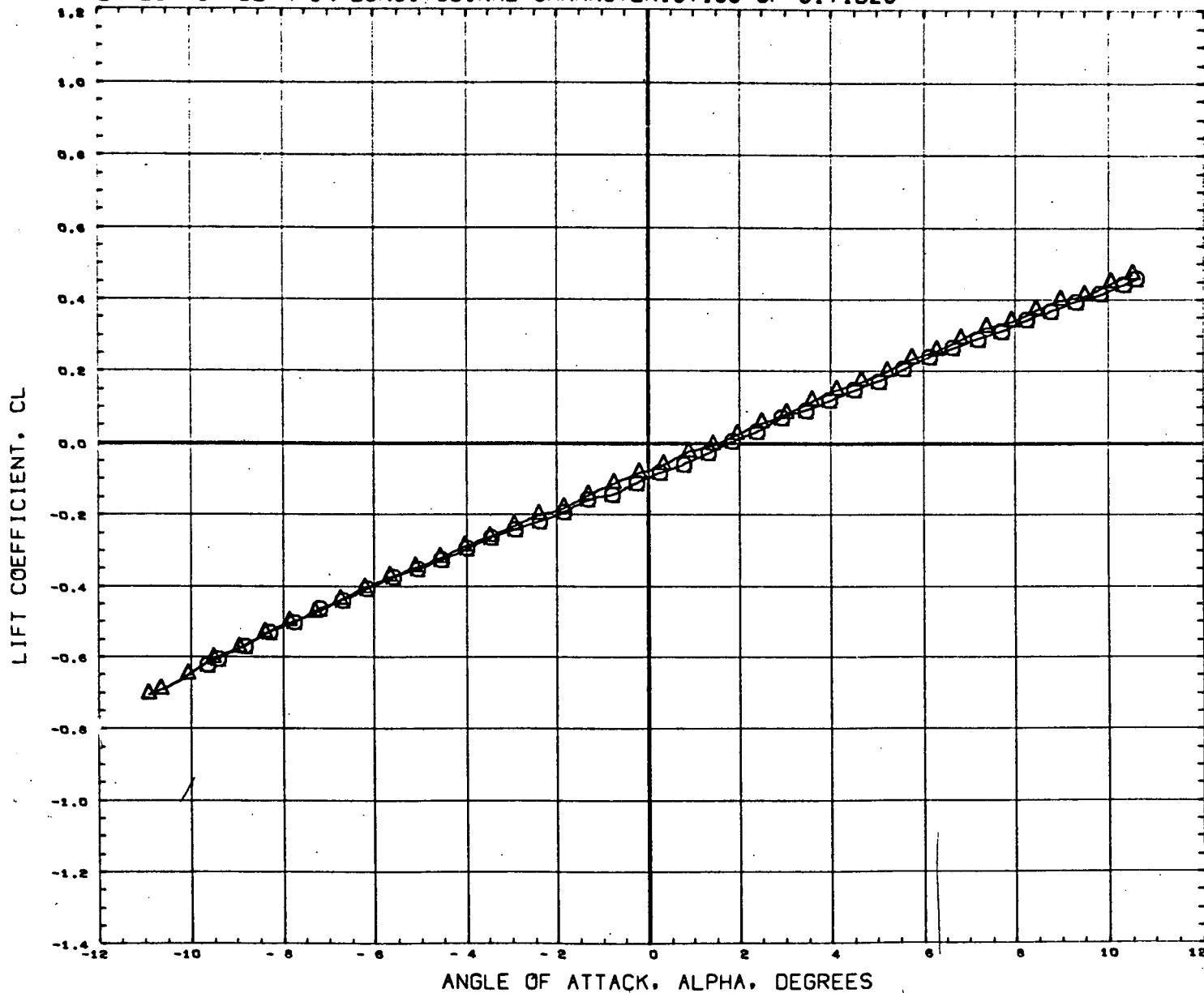
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(CD7517)  MDAC S-222 COMPOSITE (T-CG) 01T1B2S

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRF	937.0004 IN.
				YMRF	0.0000 IN.
				ZMRF	200.0004 IN.
				SCALE	0.0060

MACH .89

PAGE 419

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S



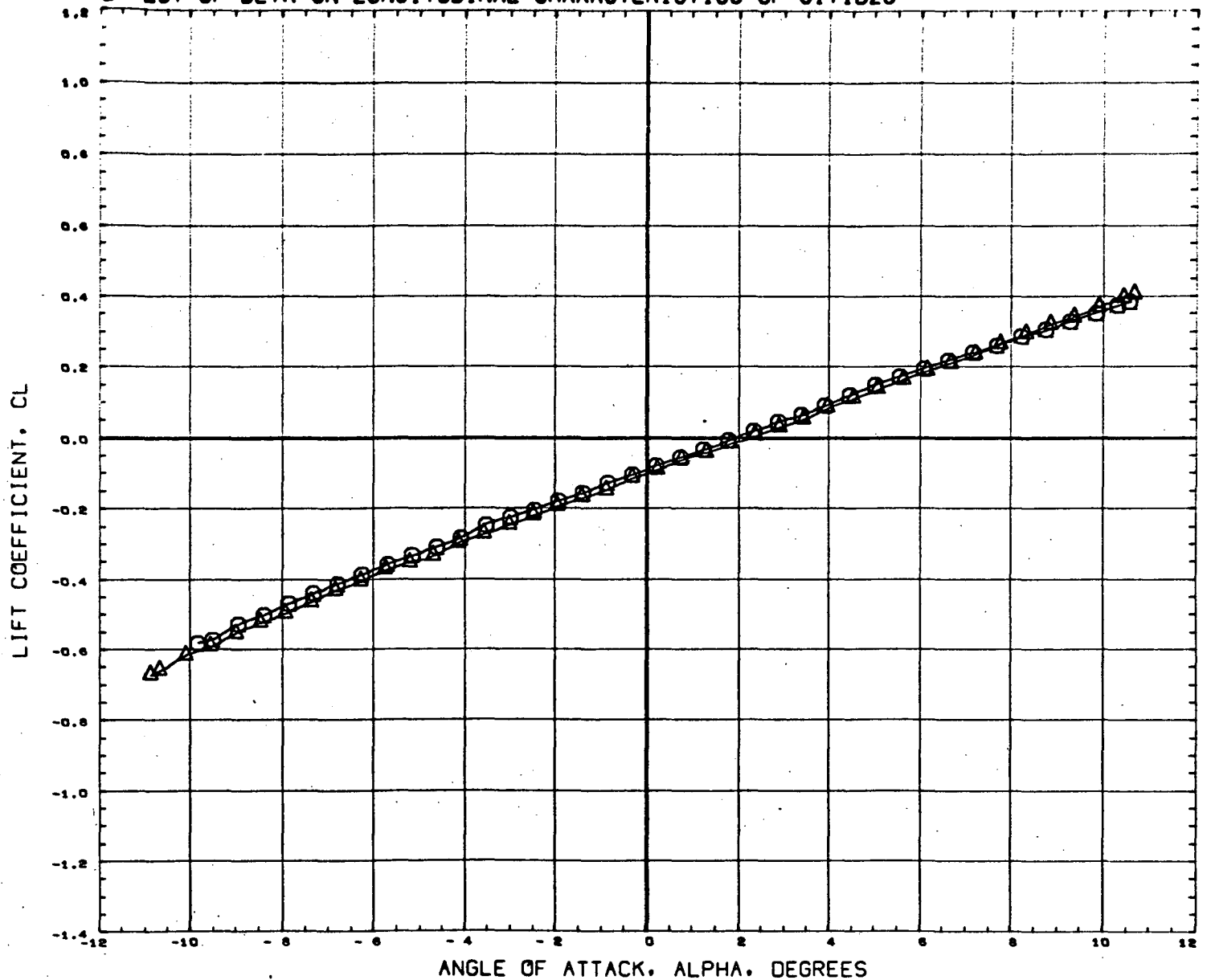
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(CD7517)    △    MDAC S-222 COMPOSITE (T-CG) 01T1B2S

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.9004 IN.
				BREF	862.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH        1.08

PAGE    420

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S



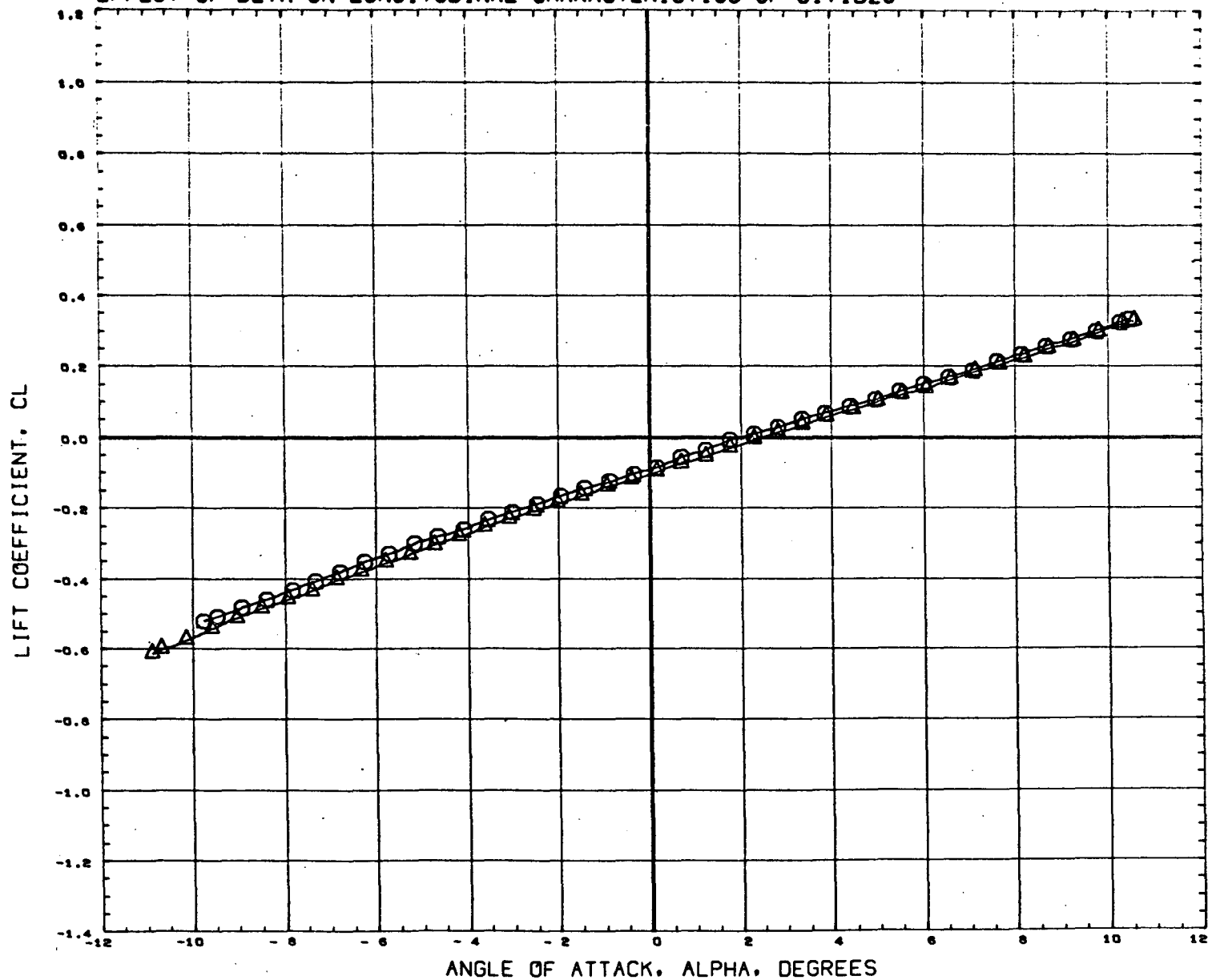
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7516)    MDAC S-222 COMPOSITE (T-CG) 01T1B2S  
 (CD7517)    MDAC S-222 COMPOSITE (T-CG) 01T1B2S

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	682.0004 IN.
				XMRP	957.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH    1.51

PAGE    421

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7516)	MDAC S-222 COMPOSITE (T-CG) 01T1B2S
(CD7517)	MDAC S-222 COMPOSITE (T-CG) 01T1B2S

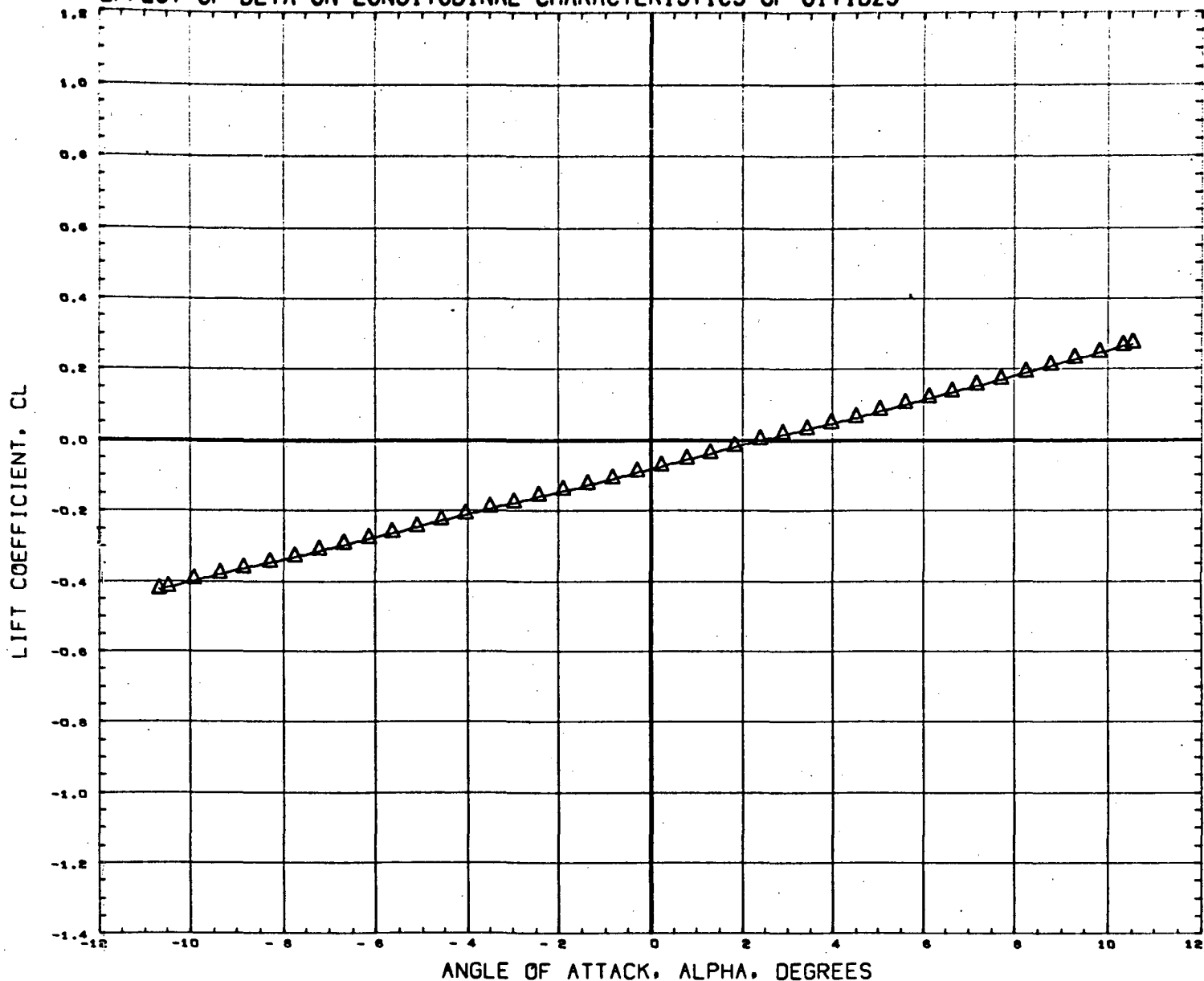
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF 609.5004 IN.
				BREF 882.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH 2.20

PAGE 422



# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S



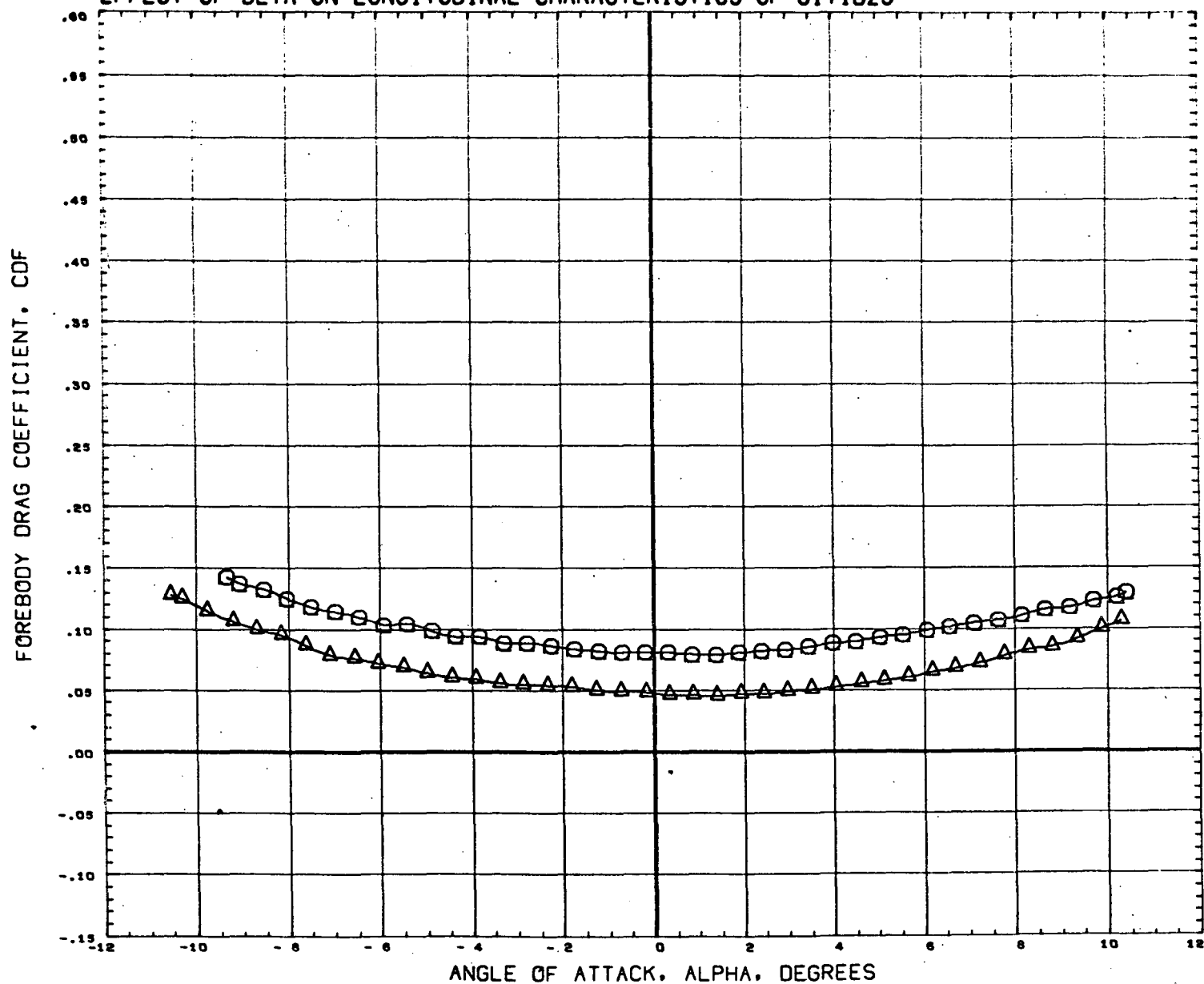
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(CD7516) DATA NOT AVAILABLE FOR ALL CONDITIONS  
(CD7517) MDAC S-222 COMPOSITE (T-CG) 01T1B2S

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.9004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

PAGE 423

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S



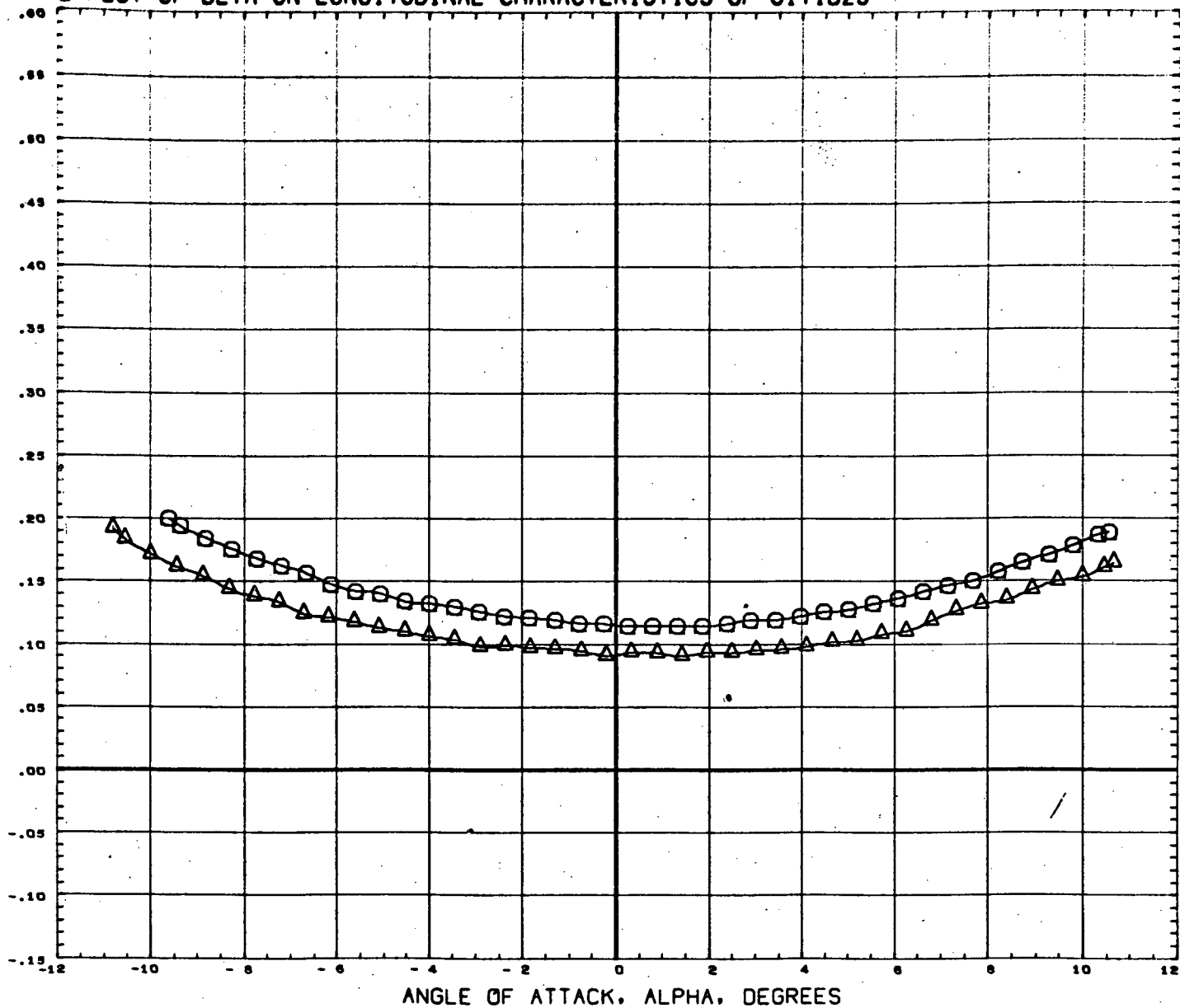
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7516)	MDAC S-222 COMPOSITE (T-CG) 01T1B2S	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7517)	MDAC S-222 COMPOSITE (T-CG) 01T1B2S	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH .56

PAGE 424

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7516) MDAC S-222 COMPOSITE (T-CG) 01T1B2S  
 (CD7517) MDAC S-222 COMPOSITE (T-CG) 01T1B2S

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	882.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

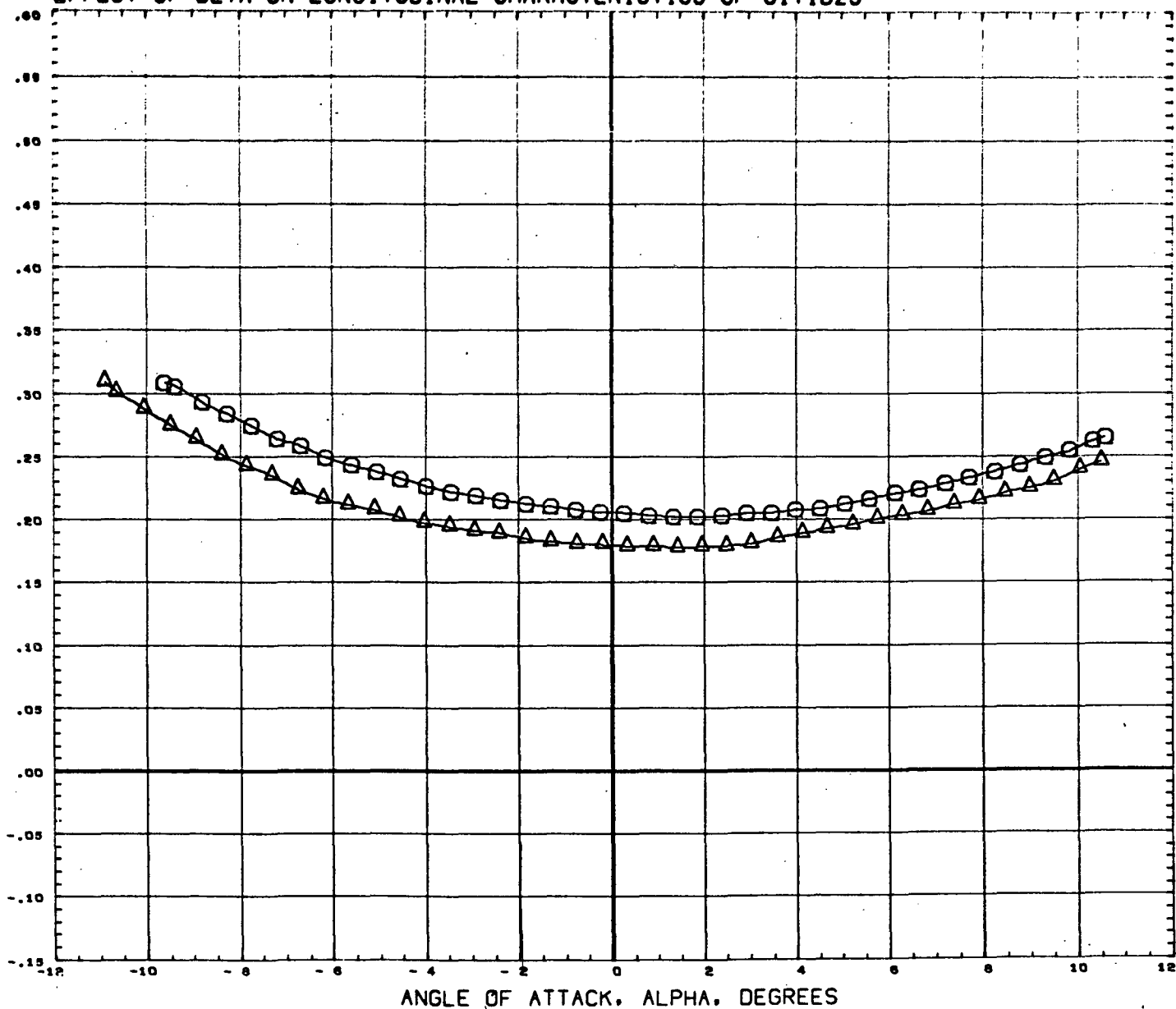
MACH

.89

PAGE 425

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7516)       MDAC S-222 COMPOSITE (T-CG) 01T1B2S  
 (CD7517)       MDAC S-222 COMPOSITE (T-CG) 01T1B2S

BETA    ELEVTR    AILRON    RUDDER  
 0.000    0.000    0.000    0.000  
 6.000    0.000    0.000    0.000

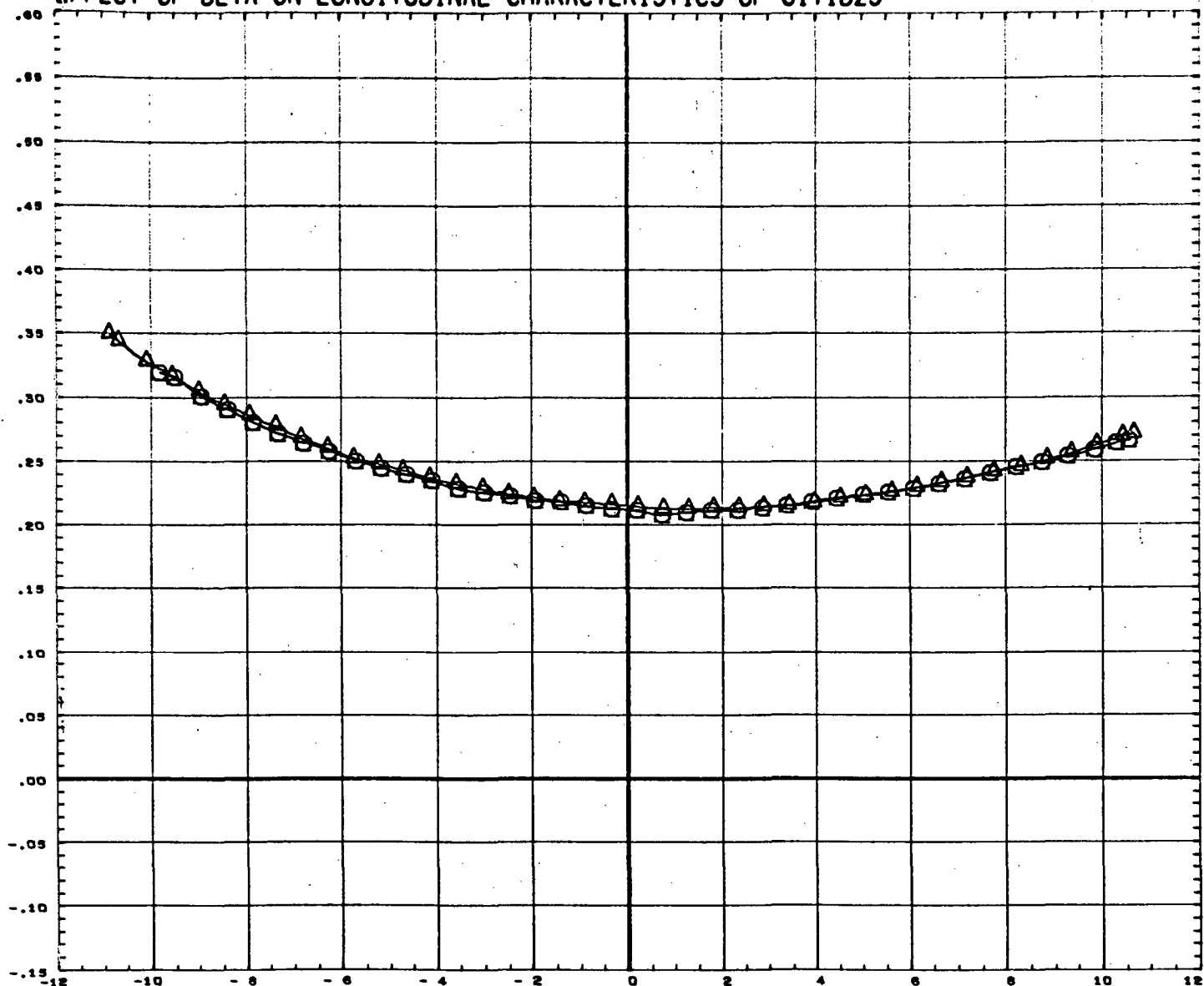
REFERENCE INFORMATION  
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 LREF    609.5004    IN.  
 BREF    662.0004    IN.  
 XMRP    557.0004    IN.  
 YMRP    0.0000    IN.  
 ZMRP    200.0004    IN.  
 SCALE    0.0060

MACH    1.08

PAGE    426

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S

FOREBODY DRAG COEFFICIENT, COF



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7516) ○ MDAC S-222 COMPOSITE(T-CG) 01T1B2S  
 (CD7517) △ MDAC S-222 COMPOSITE(T-CG) 01T1B2S

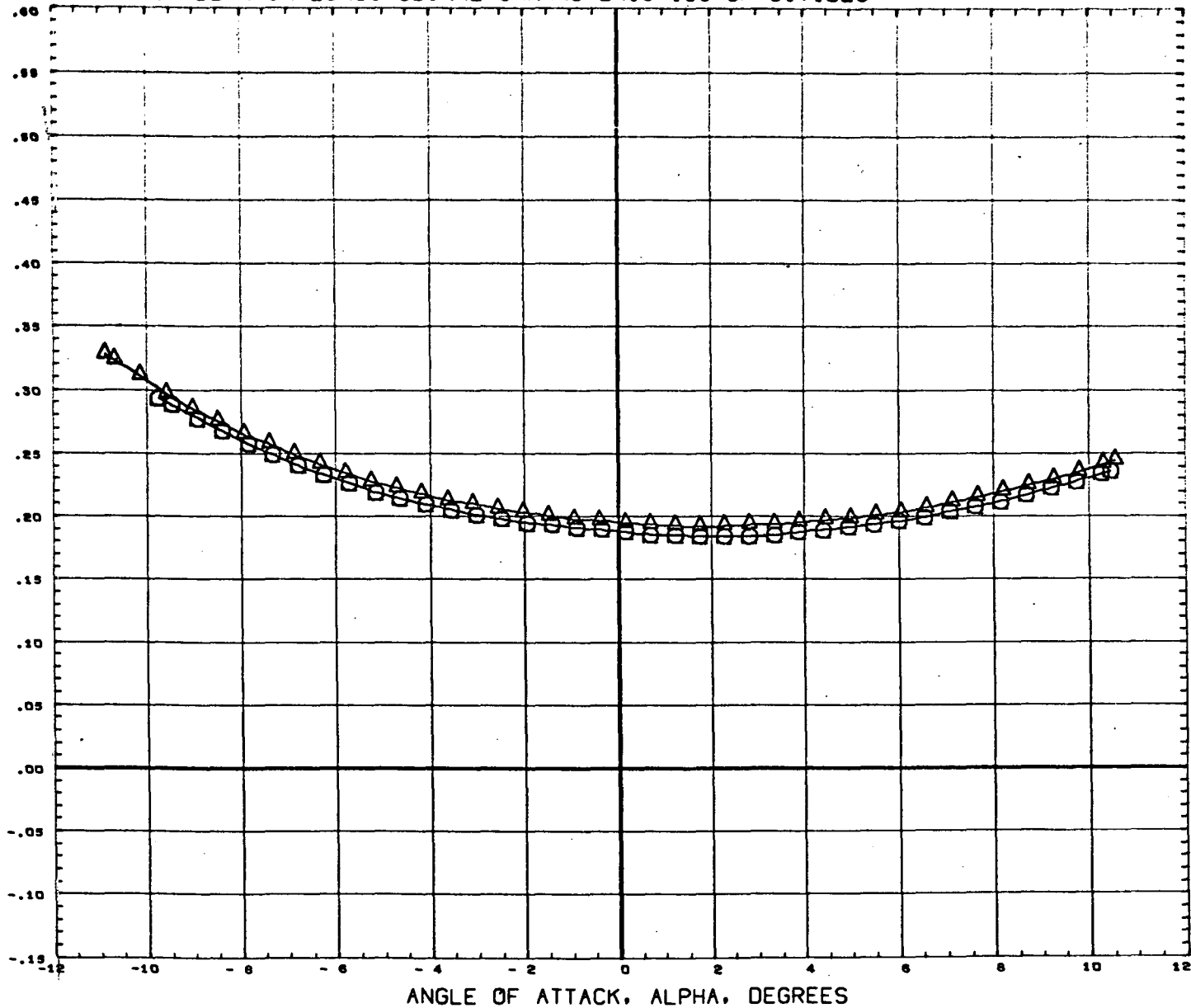
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	682.0004 IN.
				XMRP	537.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 427

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B2S

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7516) MDAC S-222 COMPOSITE (T-CG) 011B2S  
 (CD7517) MDAC S-222 COMPOSITE (T-CG) 011B2S

BETA ELEVTR AILRON RUDDER  
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 6.000 0.000 0.000 0.000

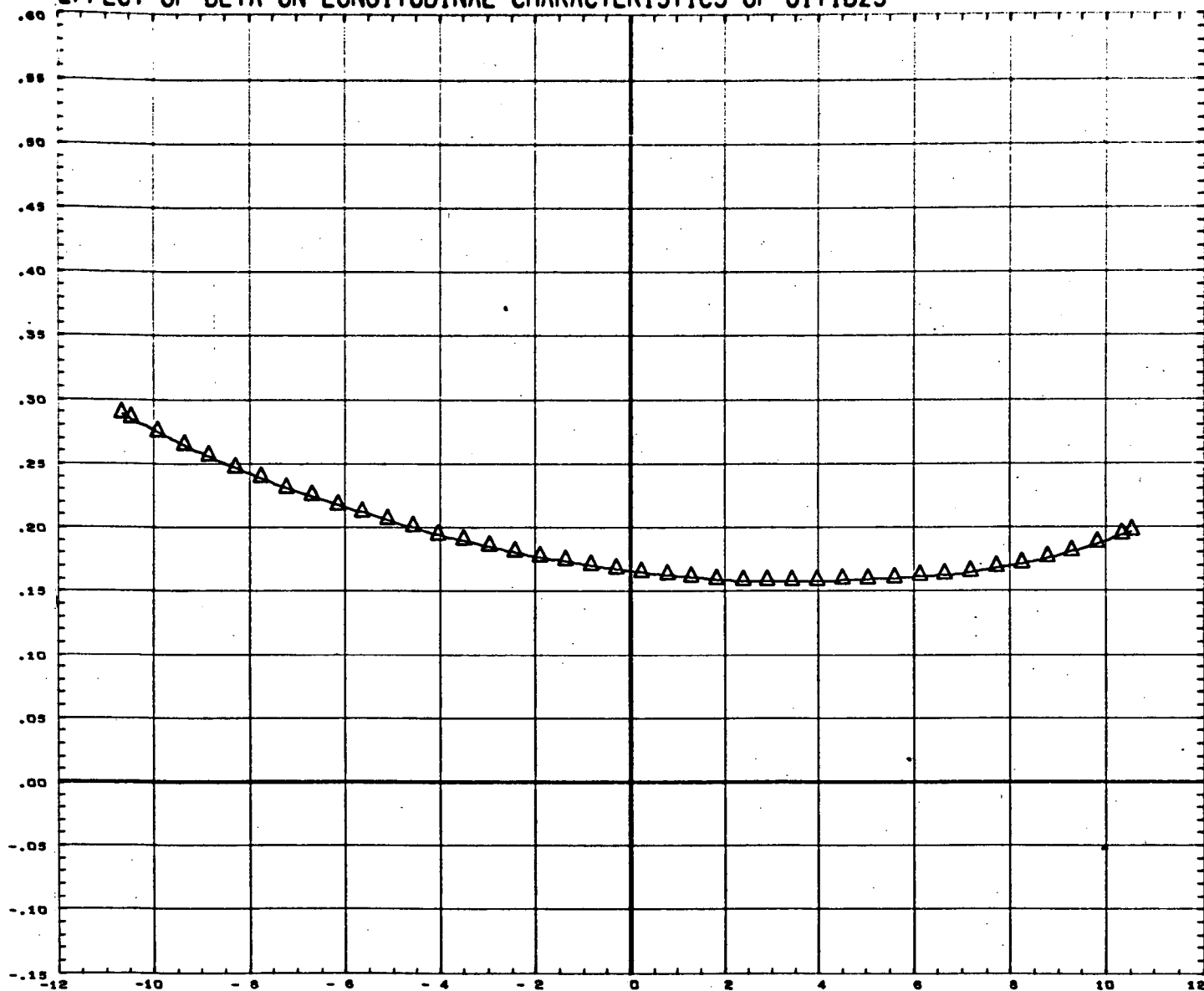
REFERENCE INFORMATION  
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 LREF 609.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 537.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH 2.20

PAGE 428

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B2S

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7516) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7517) MDAC S-222 COMPOSITE (T-CG) 011B2S

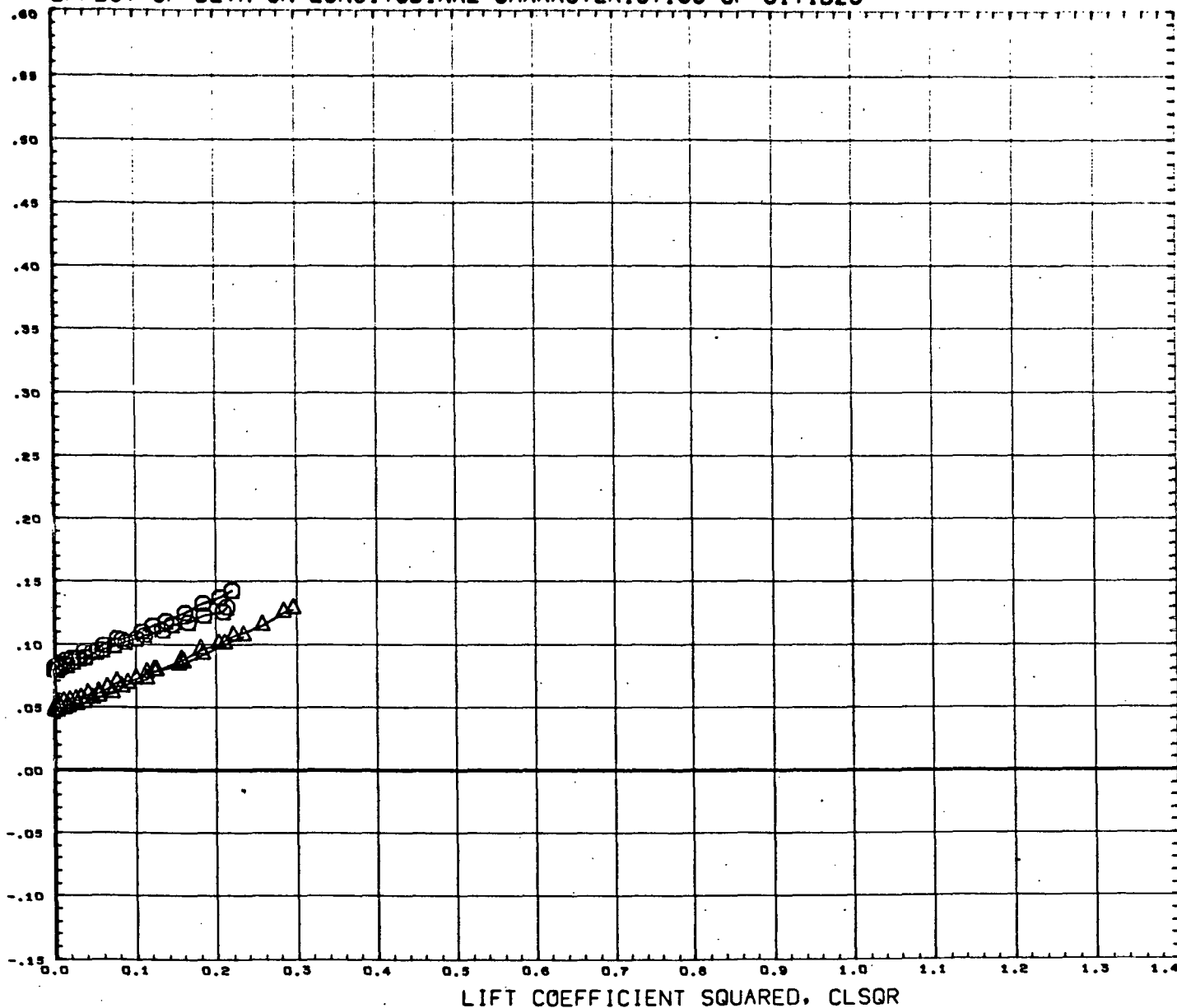
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
8.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

PAGE 429

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B2S

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
(CD7516)    ○    MDAC S-222 COMPOSITE (T-CG) 011B2S  
(CD7517)    △    MDAC S-222 COMPOSITE (T-CG) 011B2S

BETA    ELEVTR    AILRON    RUDDER  
0.000    0.000    0.000    0.000  
6.000    0.000    0.000    0.000

REFERENCE INFORMATION  
SREF    3155.3040    SQ.FT.  
LREF    609.5004    IN.  
BREF    882.0004    IN.  
XMRP    557.0004    IN.  
YMRP    0.0000    IN.  
ZMRP    200.0004    IN.  
SCALE    0.0060

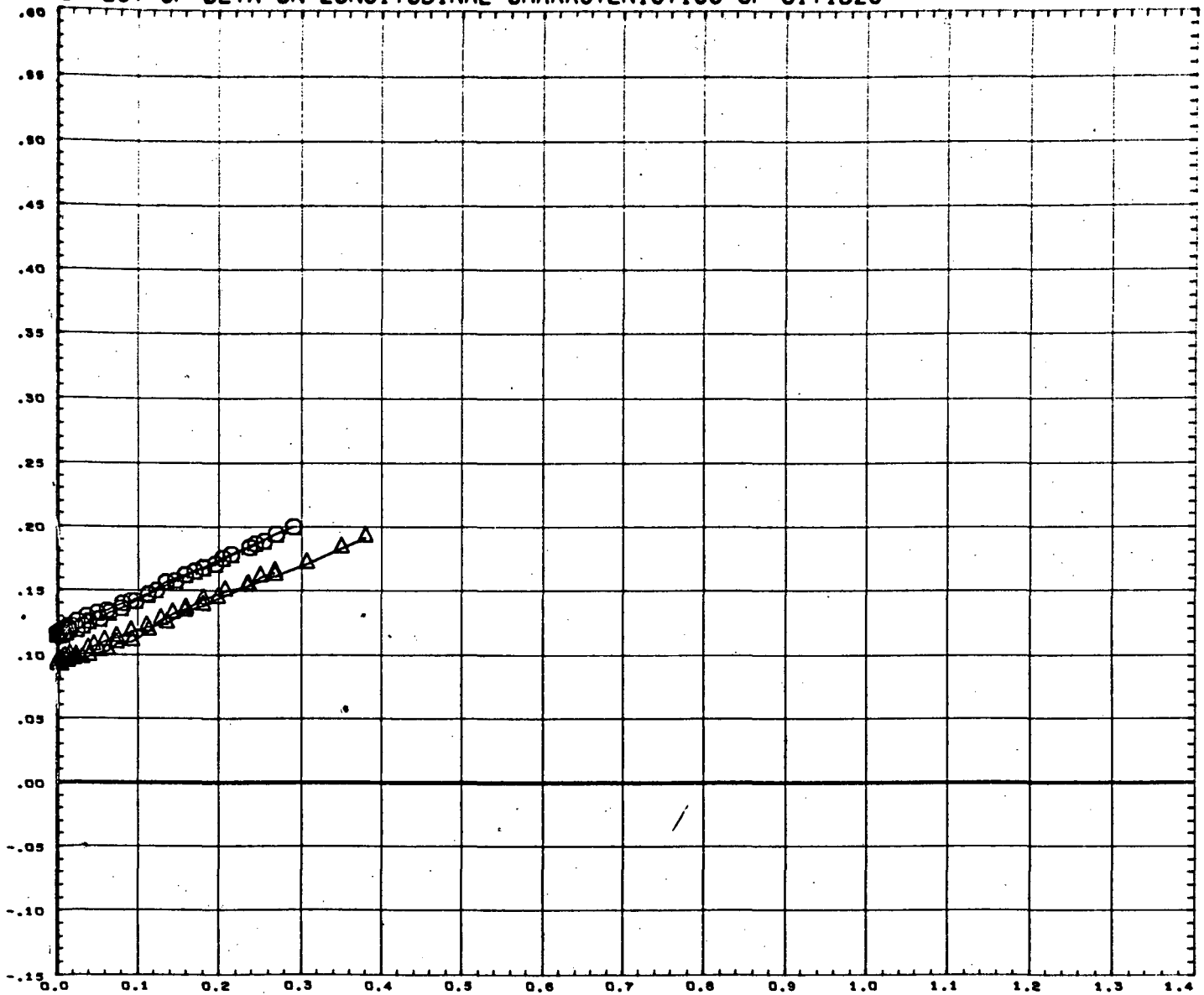
MACH    .56

PAGE    430



# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQ

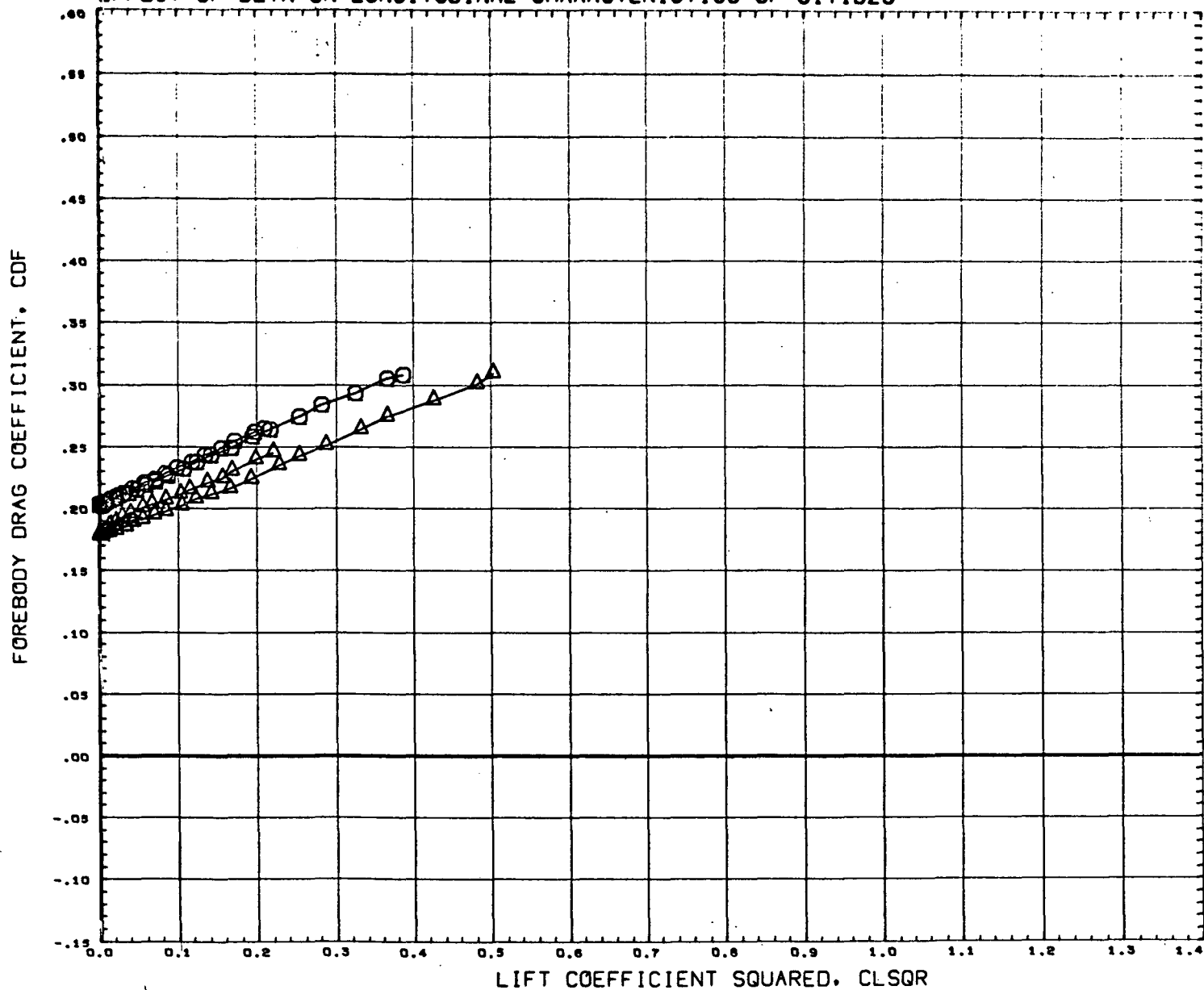
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
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(C07517) Δ	MDAC S-222 COMPOSITE (T-CG) 01T1B2S

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

PAGE 431

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B2S



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7516) $\bigcirc$	MDAC S-222 COMPOSITE (T-CG) 011B2S
(CD7517) $\triangle$	MDAC S-222 COMPOSITE (T-CG) 011B2S

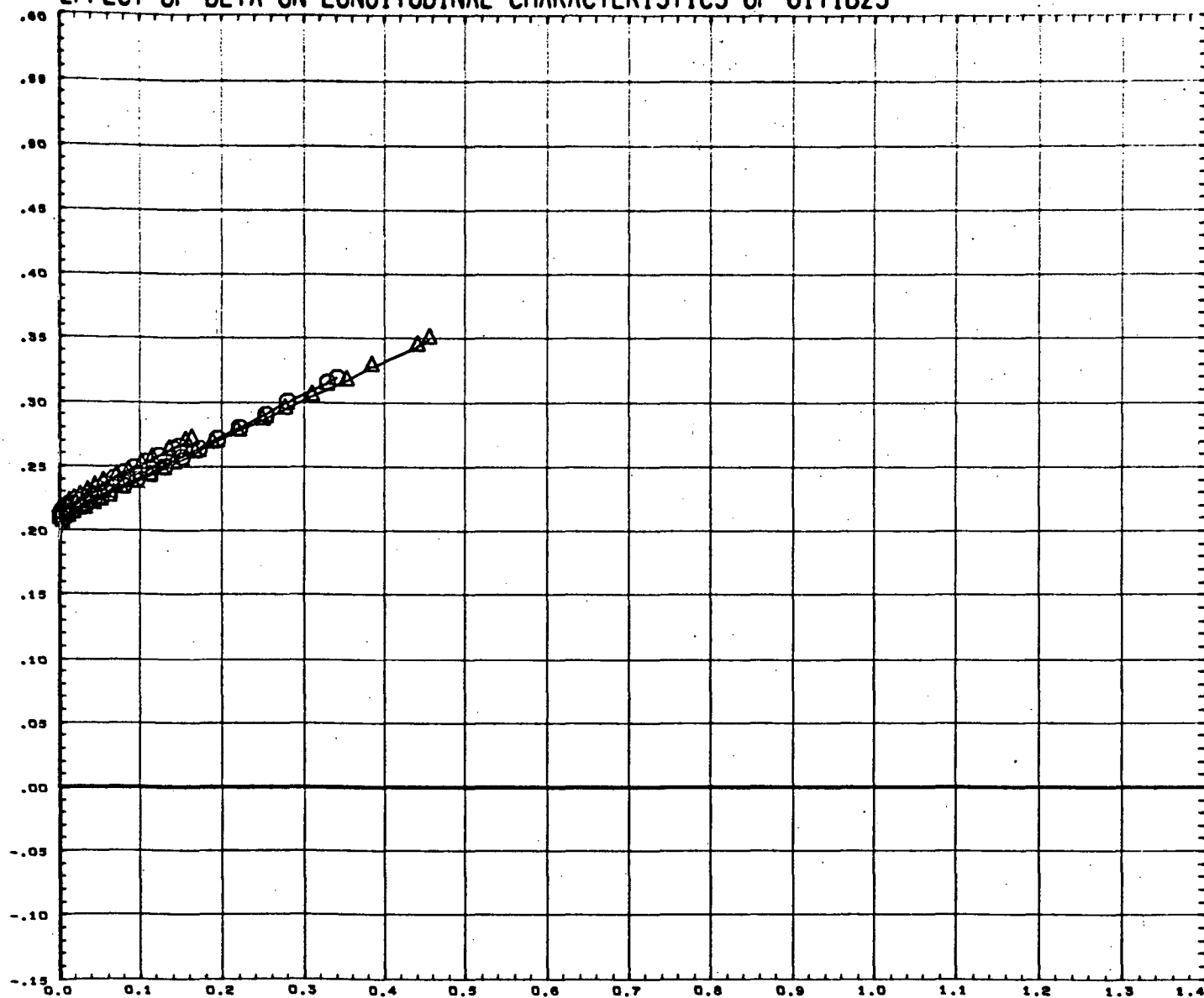
BETA	ELEVTR	ATLON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0080

MACH 1.08



PAGE 432

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQ

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7516)  MDAC S-222 COMPOSITE(T-CG) 01T1B2S  
 (CD7517)  MDAC S-222 COMPOSITE(T-CG) 01T1B2S

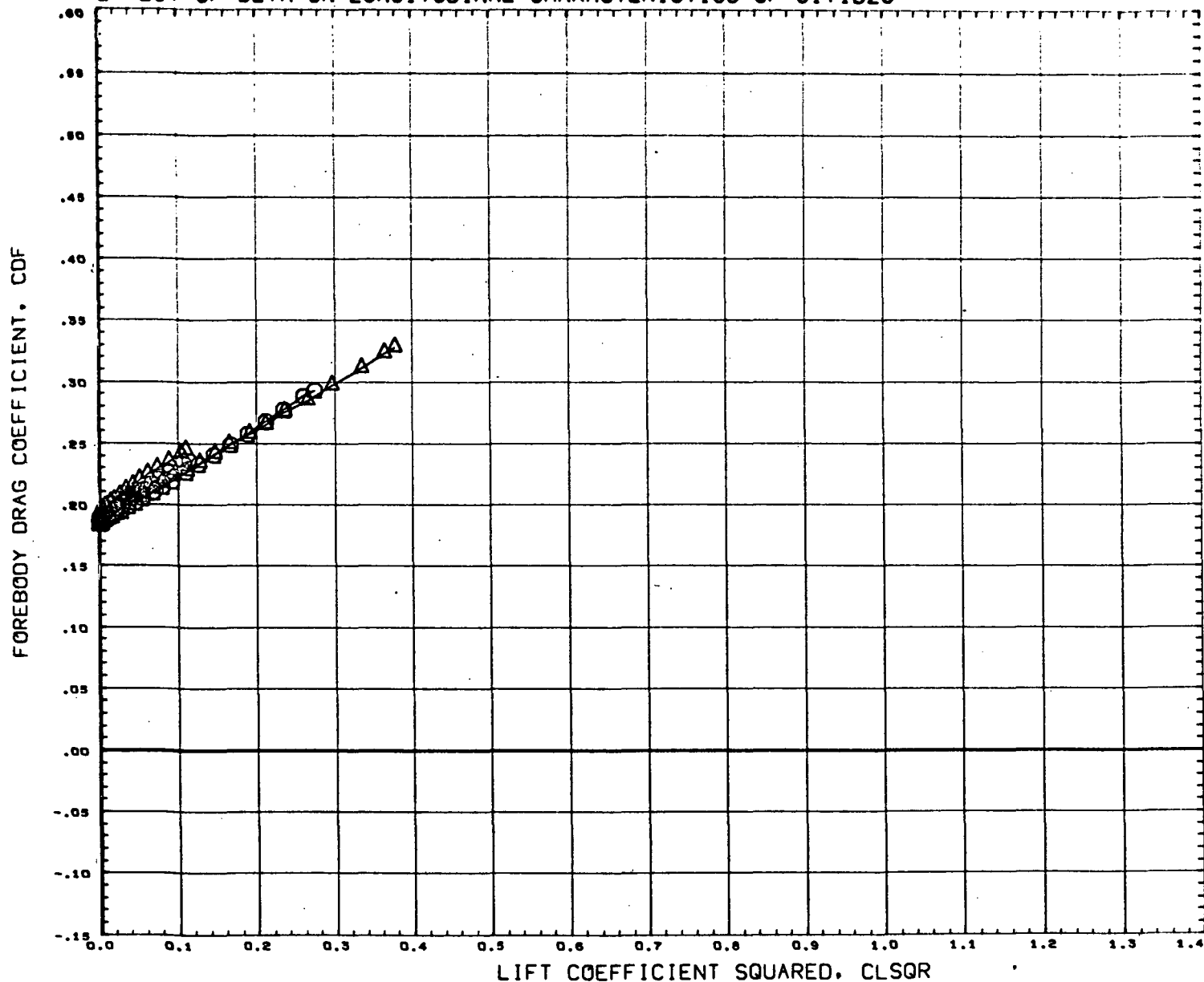
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	662.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH

1.51

PAGE 433

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B2S



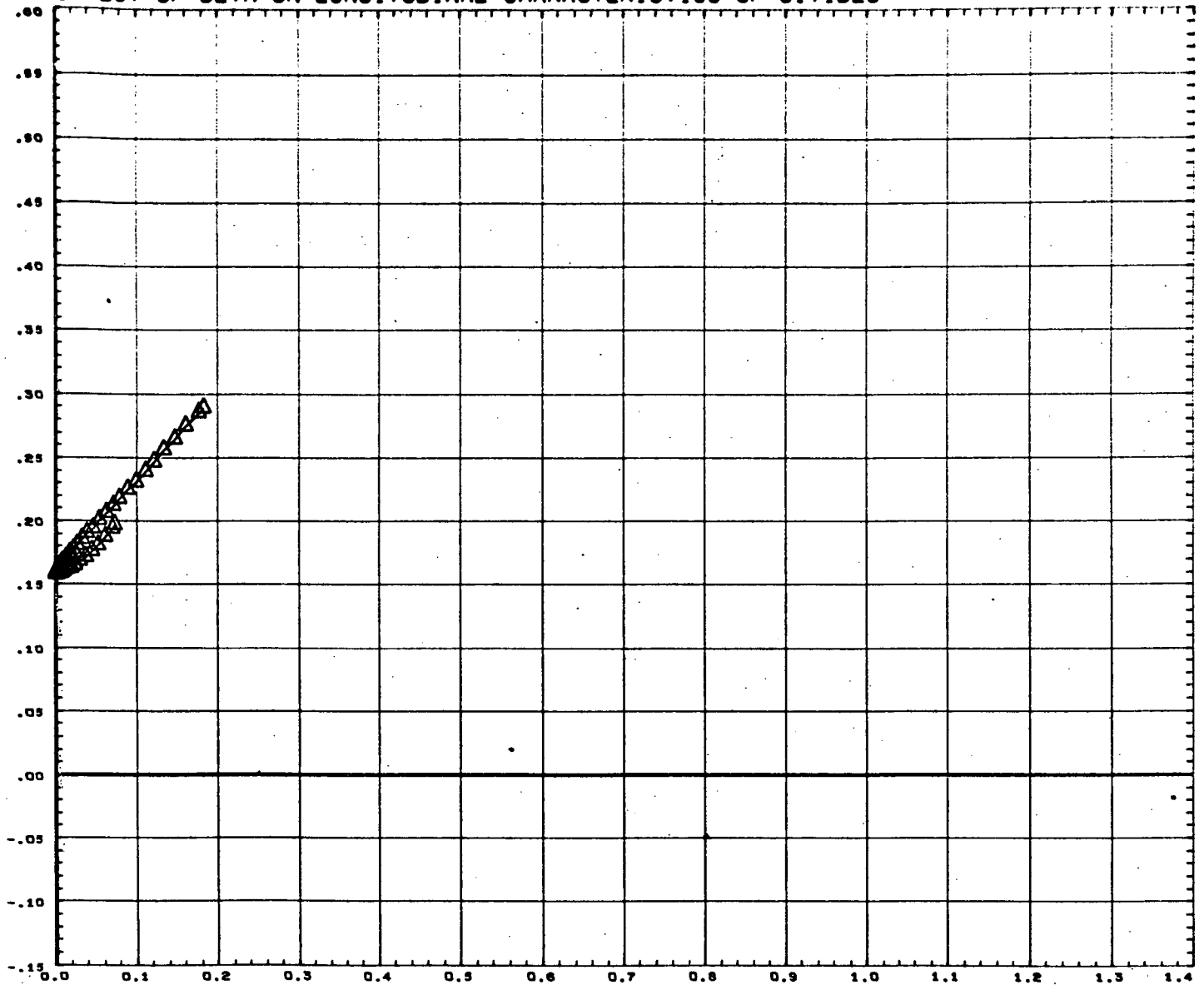
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
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(C07517)	MDAC S-222 COMPOSITE (T-CG) 011B2S	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 434

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B2S

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQR

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7516)  DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7517)  MDAC S-222 COMPOSITE (T-CG) 011B2S

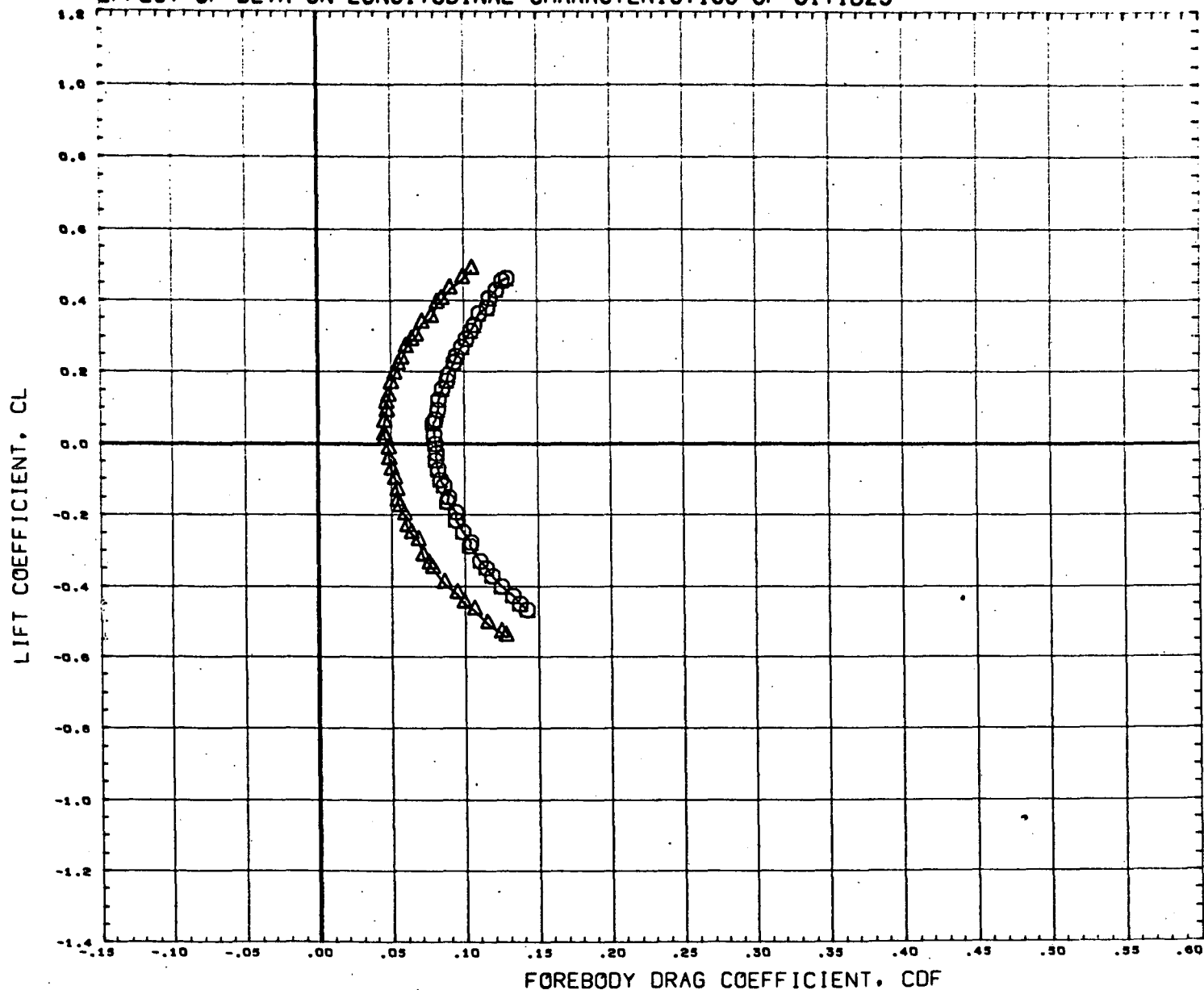
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	357.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

PAGE 435

C.7

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S



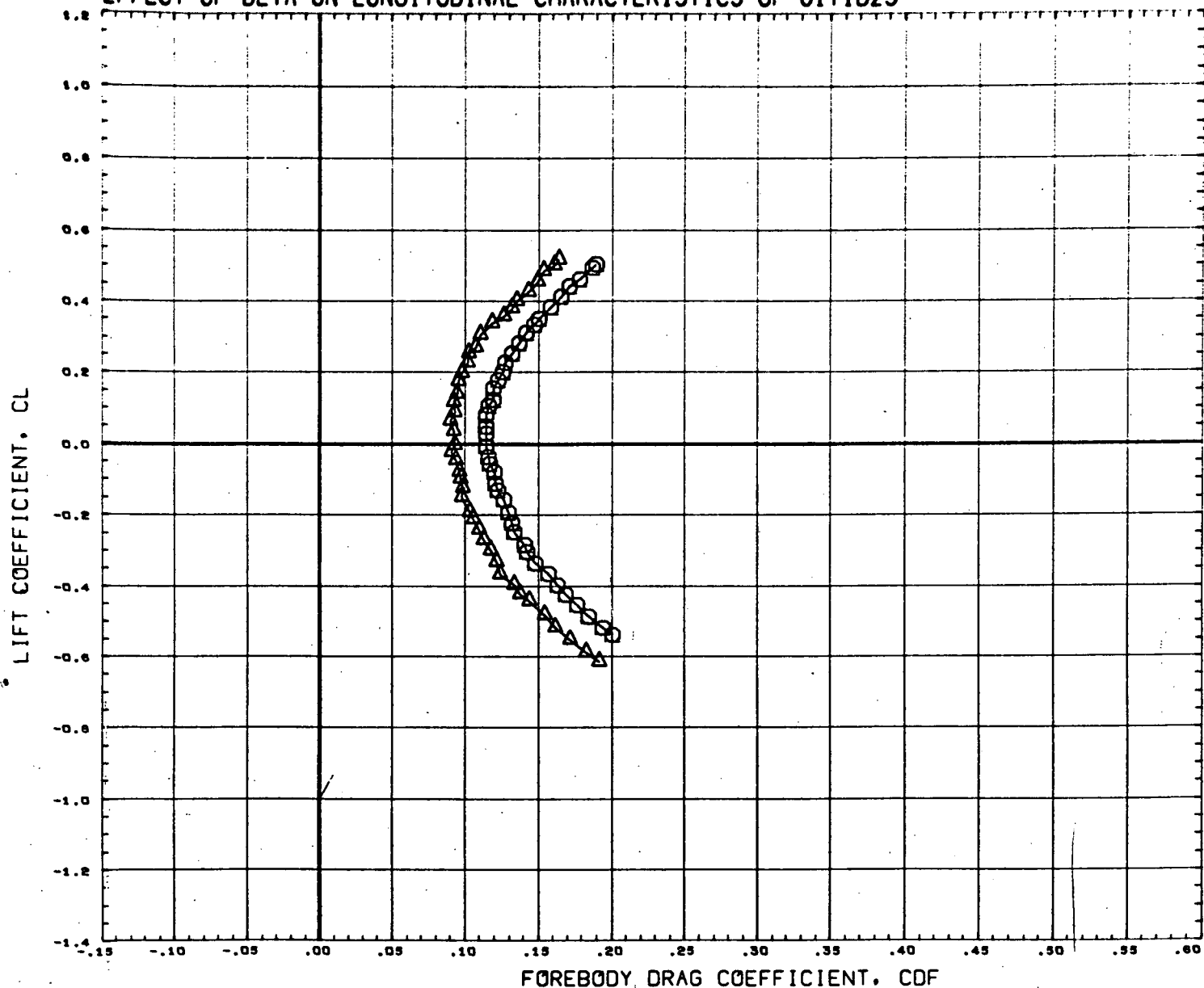
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(CD7316) MDAC S-222 COMPOSITE (T-CG) 01T1B2S  
(CD7317) MDAC S-222 COMPOSITE (T-CG) 01T1B2S

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .56

PAGE 436

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S



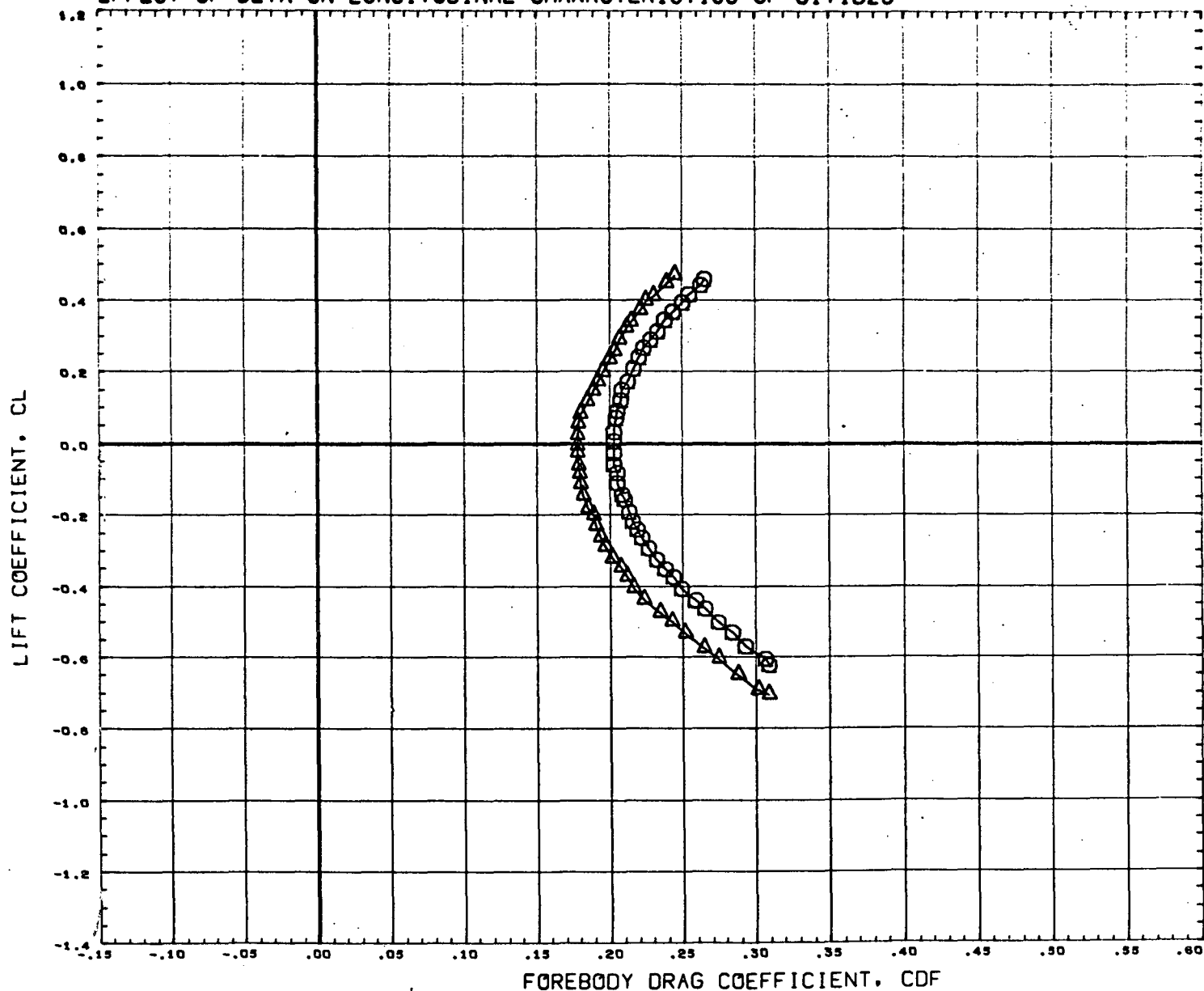
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(CD7516) Q MDAC S-222 COMPOSITE(T-CG) 01T1B2S  
(CD7517) Δ MDAC S-222 COMPOSITE(T-CG) 01T1B2S

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

PAGE 437

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(CD7516) MDAC S-222 COMPOSITE (T-CG) 01T1B2S  
(CD7517) MDAC S-222 COMPOSITE (T-CG) 01T1B2S

BETA ELEVTR AILRON RUDDER  
0.000 0.000 0.000 0.000  
6.000 0.000 0.000 0.000

REFERENCE INFORMATION  
SREF 3155.3040 SQ.FT.  
LREF 609.5004 IN.  
BREF 862.0004 IN.  
XMRP 557.0004 IN.  
YMRP 0.0000 IN.  
ZMRP 200.0004 IN.  
SCALE 0.0060



MACH 1.08

PAGE 438



# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7516)  MDAC S-222 COMPOSITE (T-CG) 01T1B2S  
 (CD7517)  MDAC S-222 COMPOSITE (T-CG) 01T1B2S

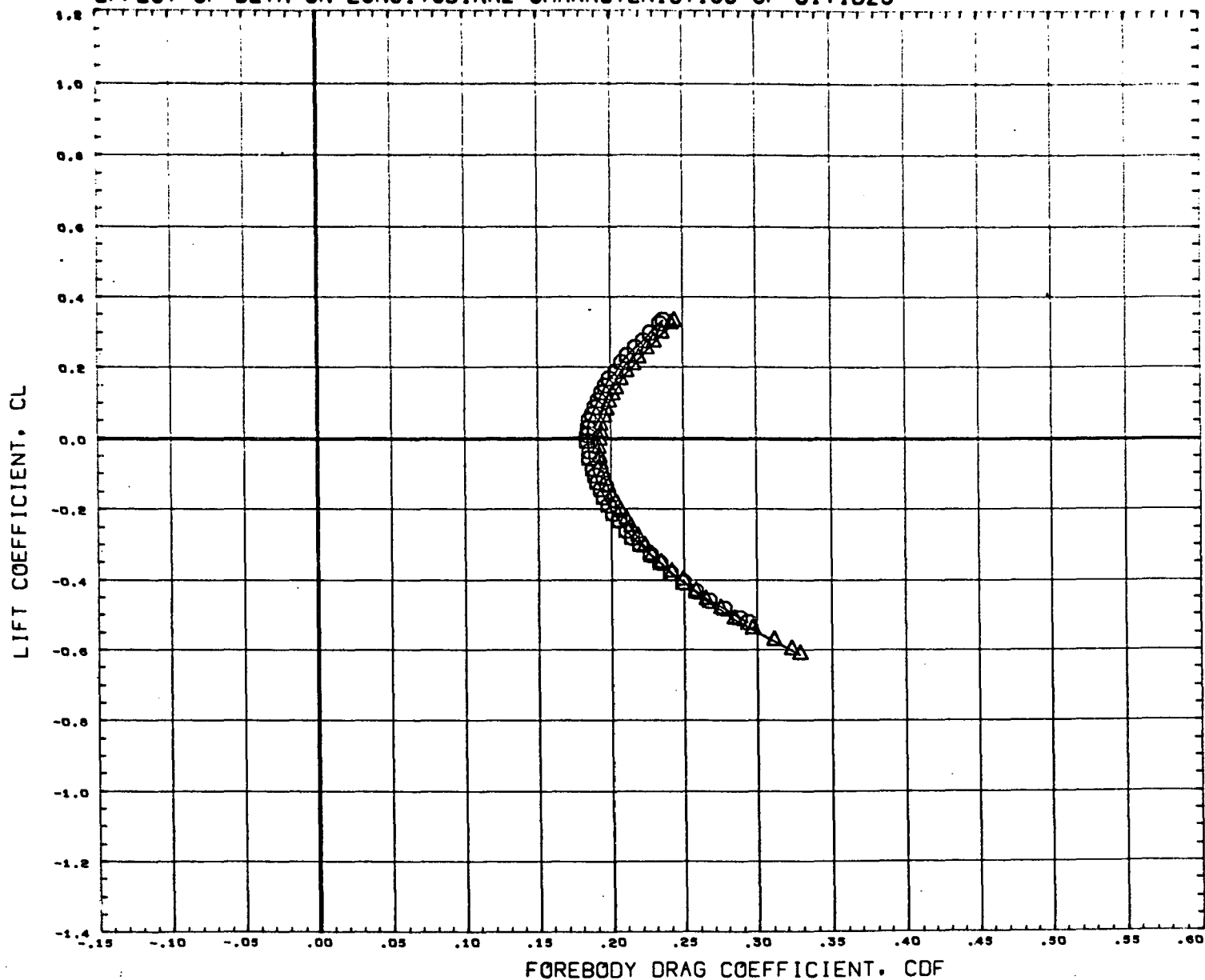
FOREBODY DRAG COEFFICIENT, CDF

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060



MACH 1.51

PAGE 439

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7516)  MDAC S-222 COMPOSITE(T-CG) 01T1B2S  
(CD7517)  MDAC S-222 COMPOSITE(T-CG) 01T1B2S

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000

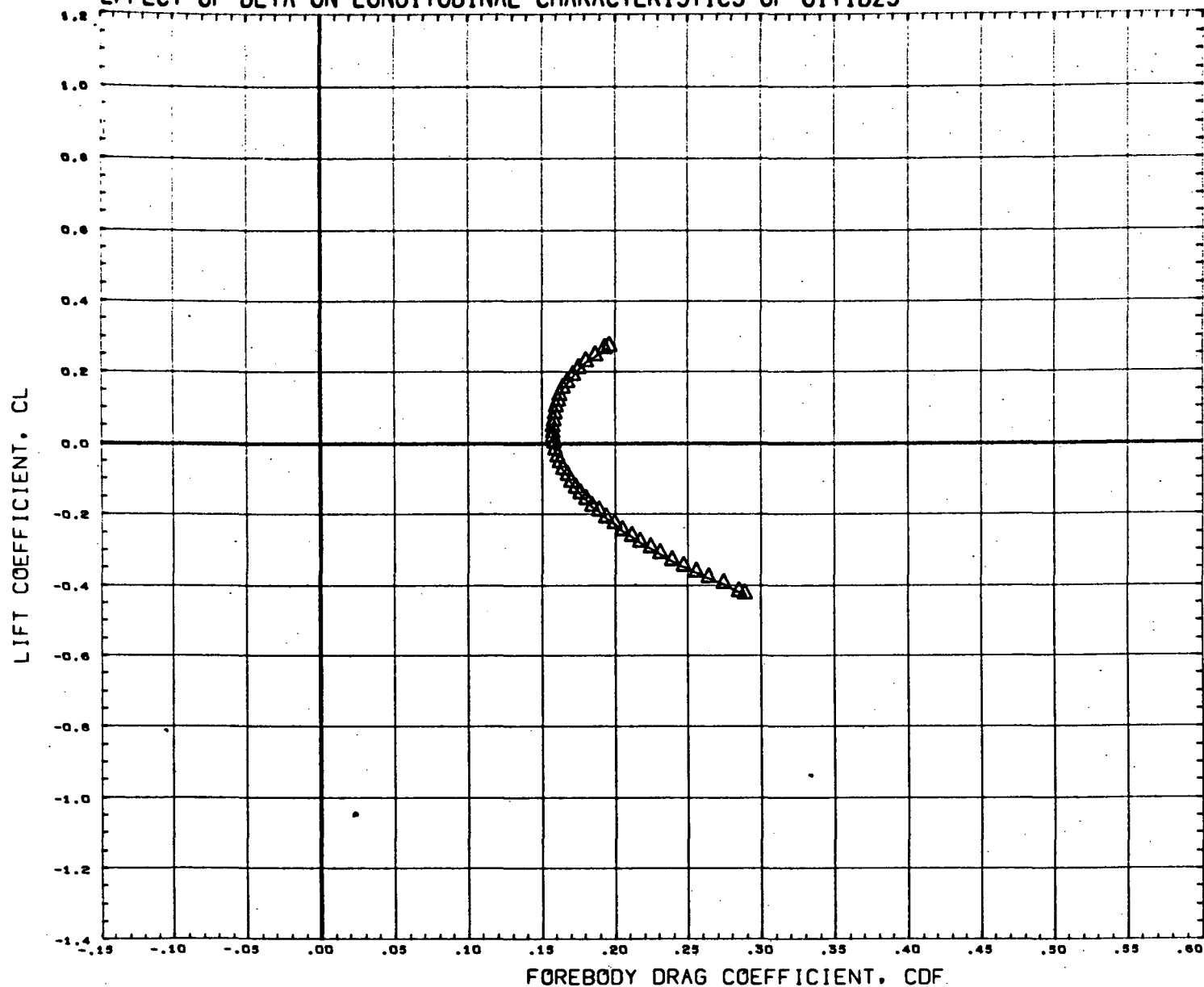
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	337.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH

2.20

PAGE 440

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7516) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7517) MDAC S-222 COMPOSITE(T-CG) 01T1B2S

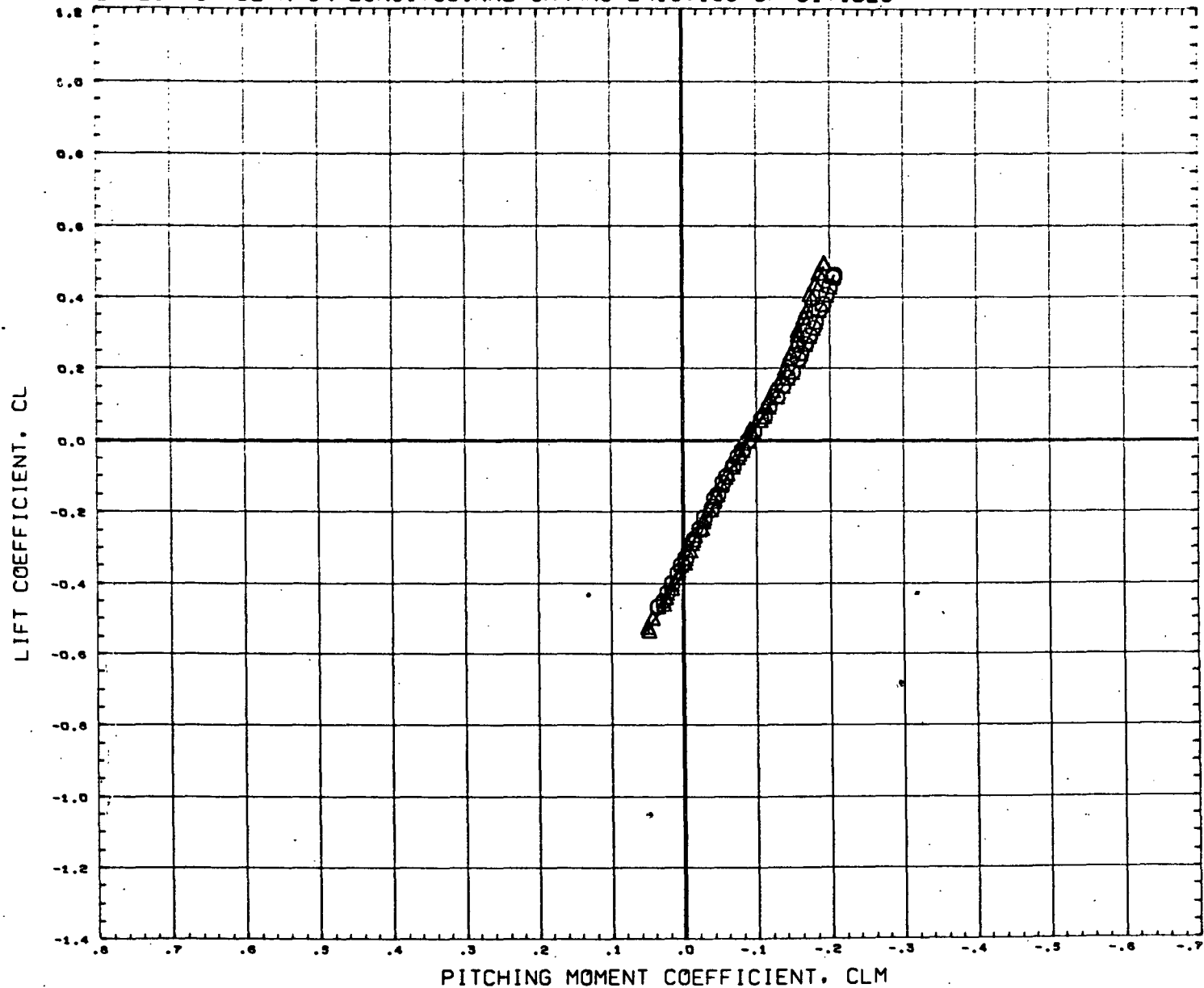
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	662.0004 IN.
				XMRF	557.0004 IN.
				YMRF	0.0000 IN.
				ZMRF	200.0004 IN.
				SCALE	0.0060

MACH

4.47

PAGE 441

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B2S



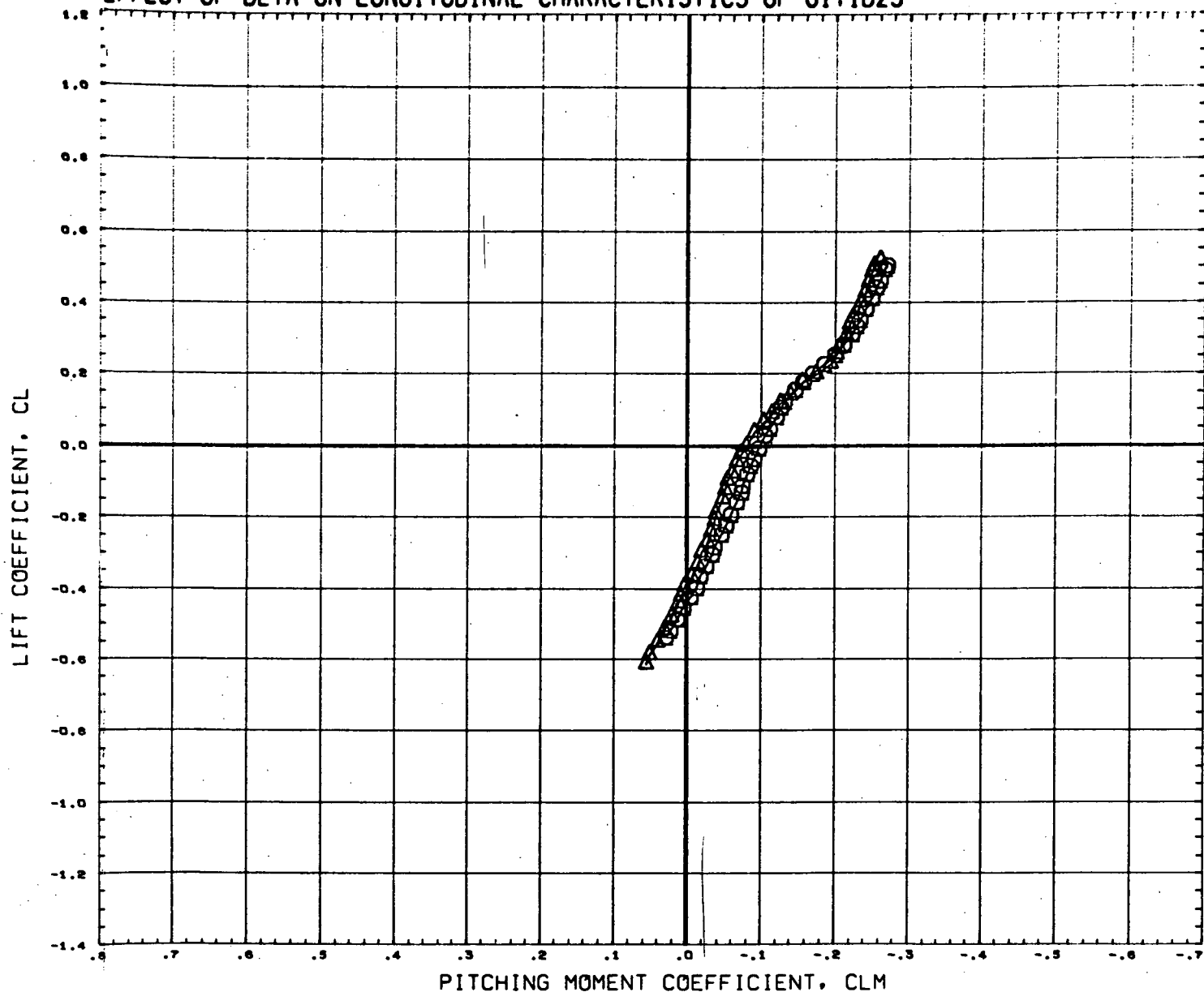
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7516)	MDAC S-222 COMPOSITE (T-CG) 011B2S
(CD7517)	MDAC S-222 COMPOSITE (T-CG) 011B2S



BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .56

PAGE 442

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S



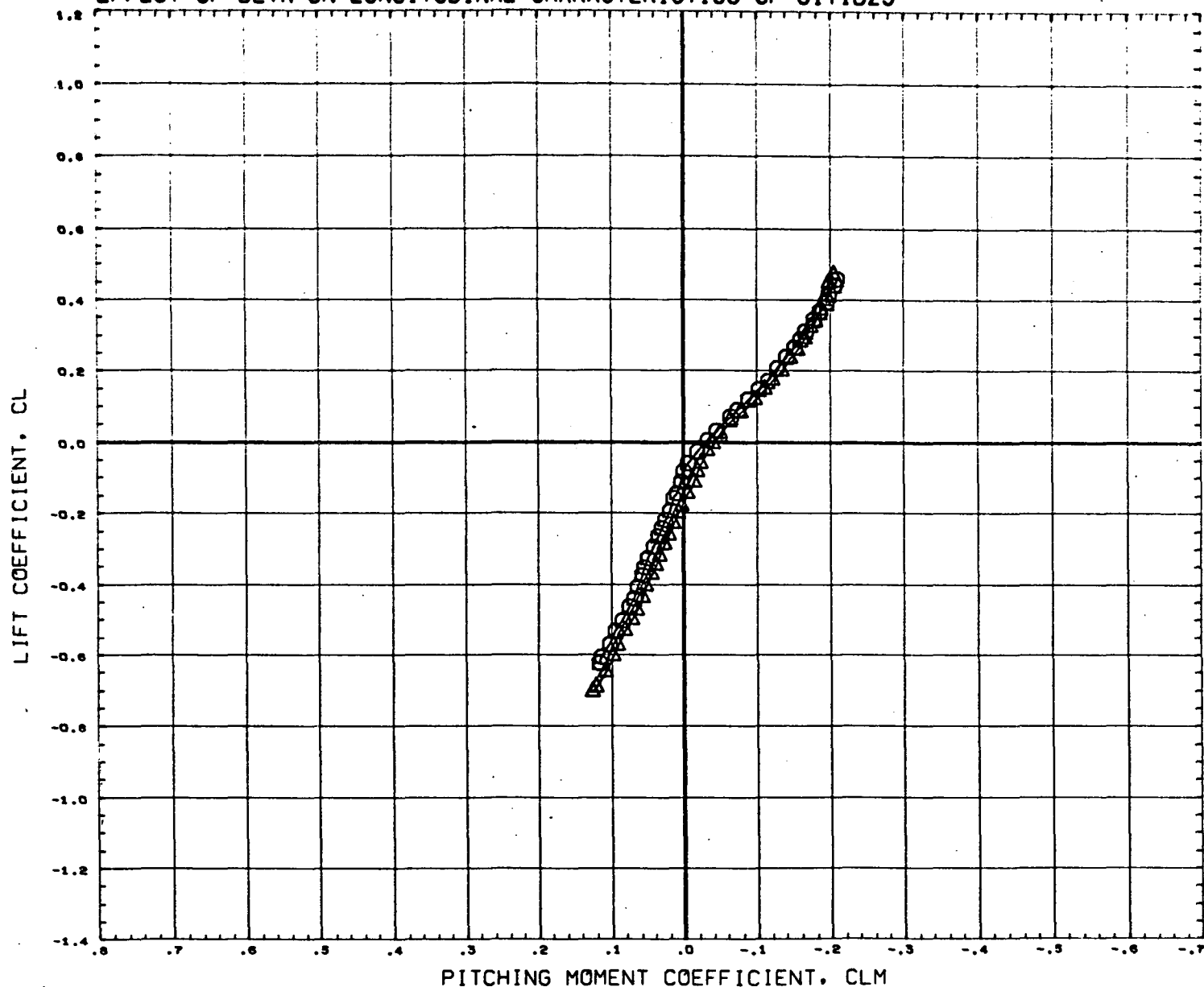
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7916)  MDAC S-222 COMPOSITE (T-CG) 01T1B2S  
 (CD7917)  MDAC S-222 COMPOSITE (T-CG) 01T1B2S

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	357.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89



PAGE 443

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S



PITCHING MOMENT COEFFICIENT, CLM

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C07516)  MDAC S-222 COMPOSITE (T-CG) 01T1B2S  
(C07517)  MDAC S-222 COMPOSITE (T-CG) 01T1B2S

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000

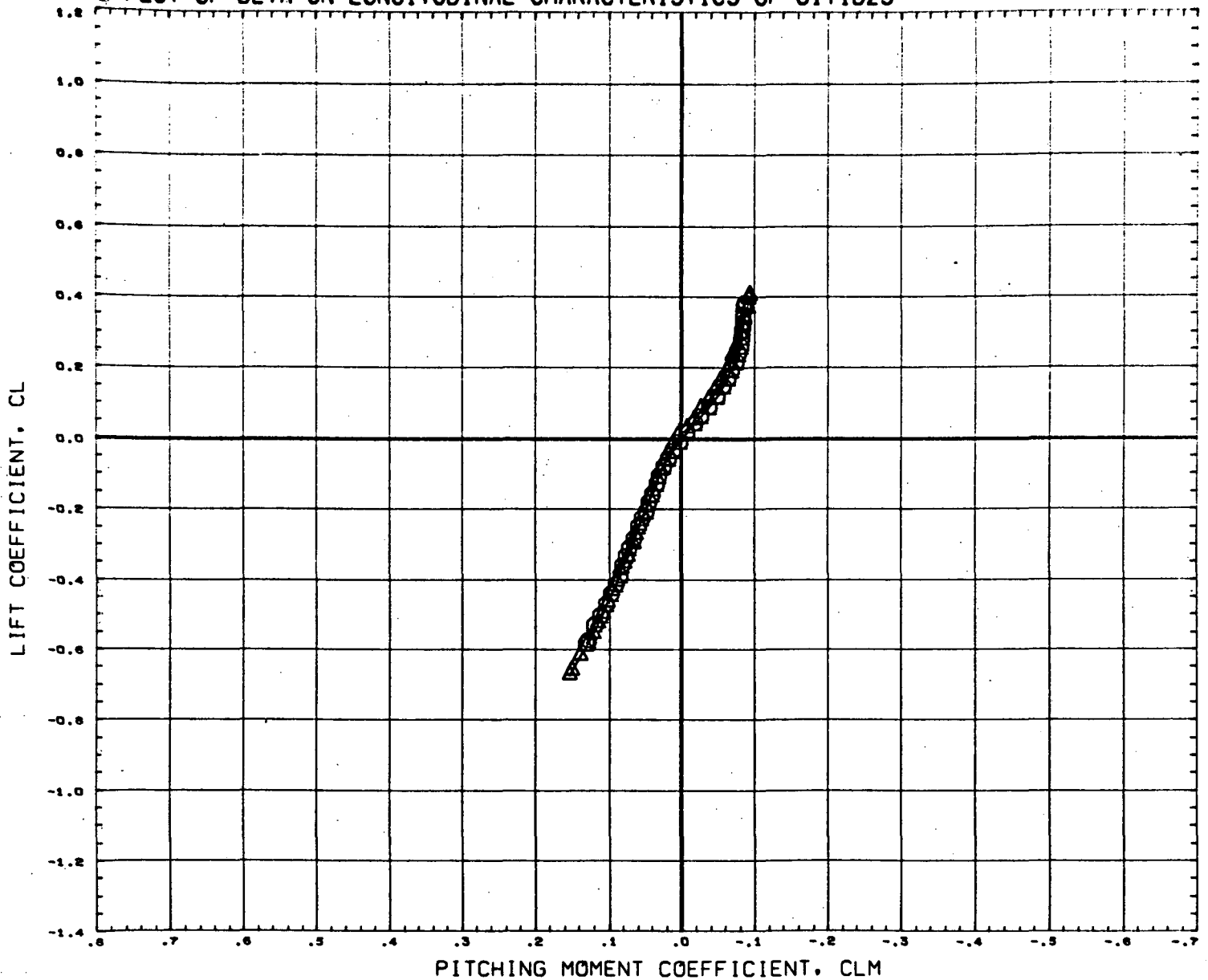
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH

1.08

PAGE 444

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S



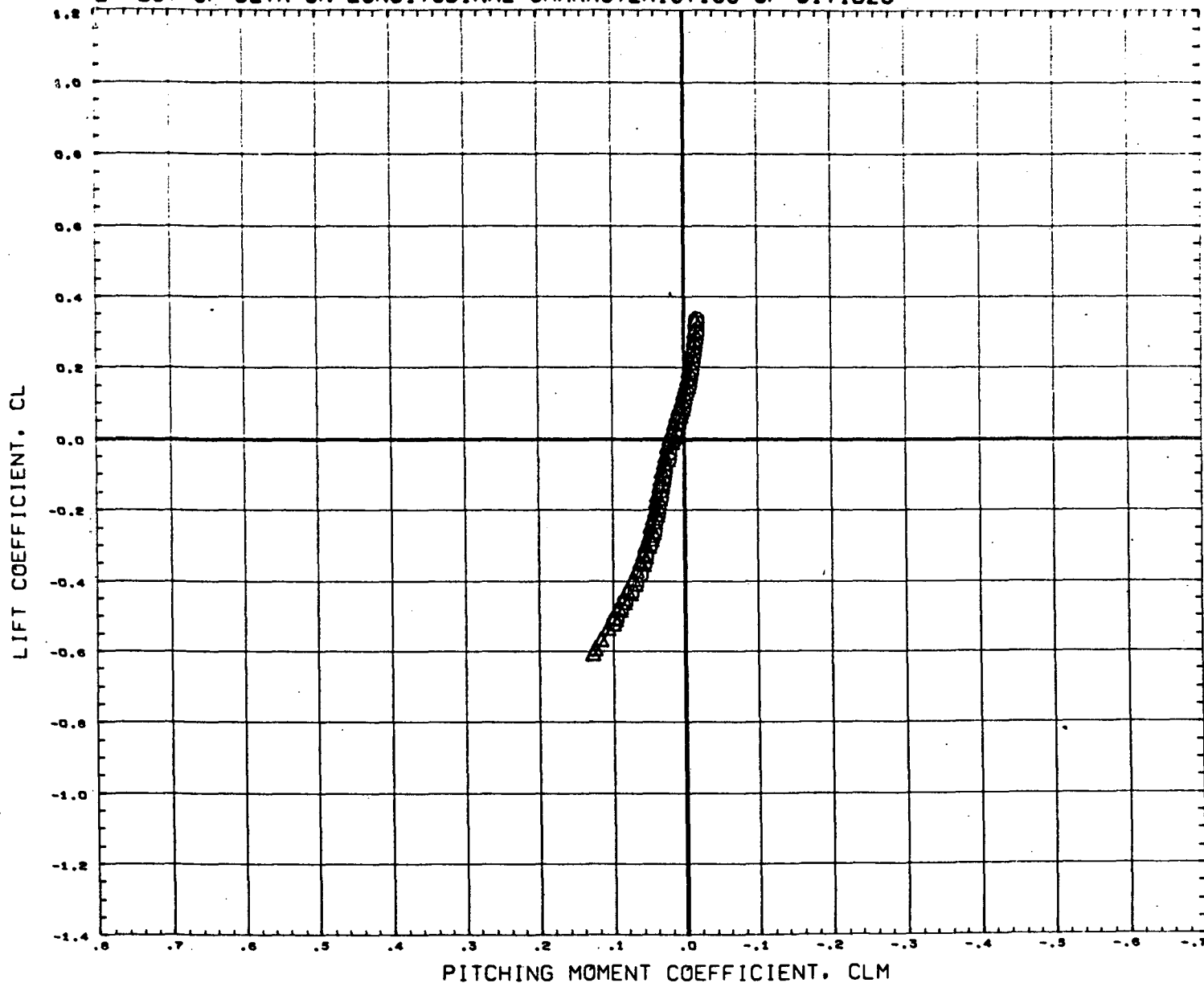
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (C07516) MDAC S-222 COMPOSITE (T-CG) 01T1B2S  
 (C07517) MDAC S-222 COMPOSITE (T-CG) 01T1B2S

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 445

# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 011B2S



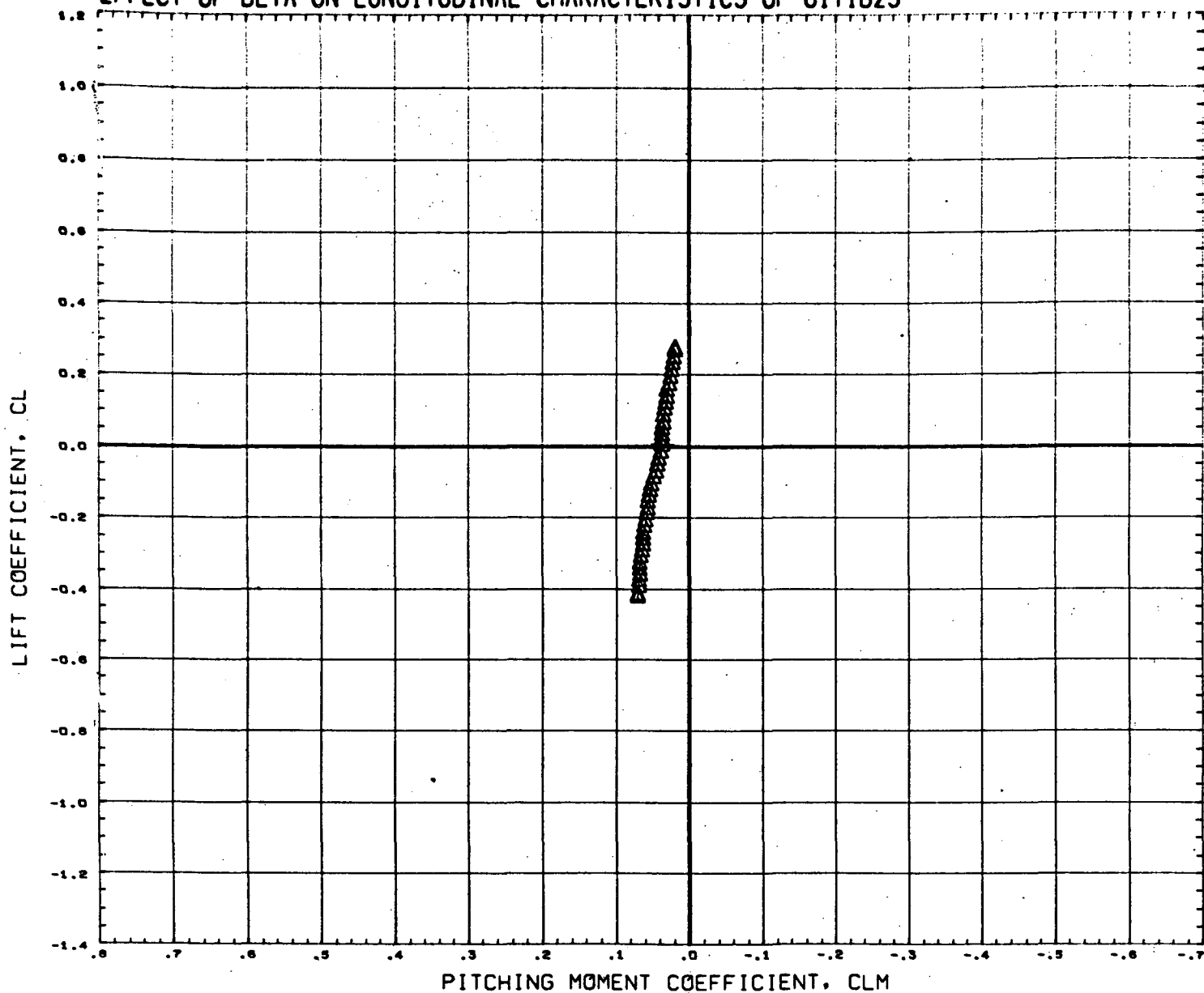
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7516)	MDAC S-222 COMPOSITE(T-CG) 011B2S	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7517)	MDAC S-222 COMPOSITE(T-CG) 011B2S	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	662.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 446



# EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T1B2S



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7516) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7517) MDAC S-222 COMPOSITE (T-CG) 01T1B2S

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000

REFERENCE INFORMATION	
SREF	3155.3040 SQ.FT.
LREF	609.5004 IN.
BREF	882.0004 IN.
XMRP	557.0004 IN.
YMRP	0.0000 IN.
ZMRP	200.0004 IN.
SCALE	0.0060

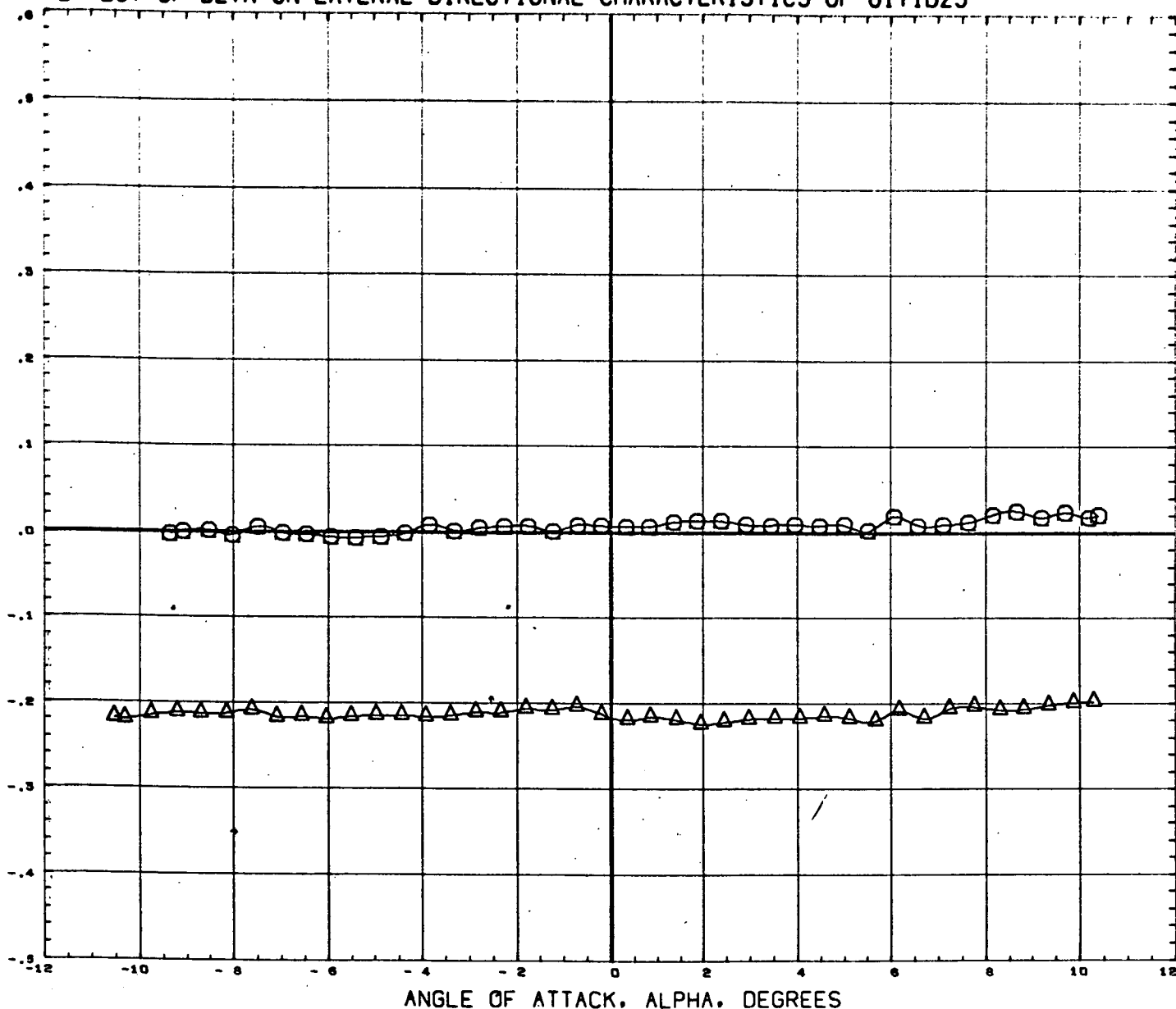
MACH

4.47

PAGE 447

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T1B2S

LATERAL FORCE COEFFICIENT, CY



ANGLE OF ATTACK, ALPHA, DEGREES

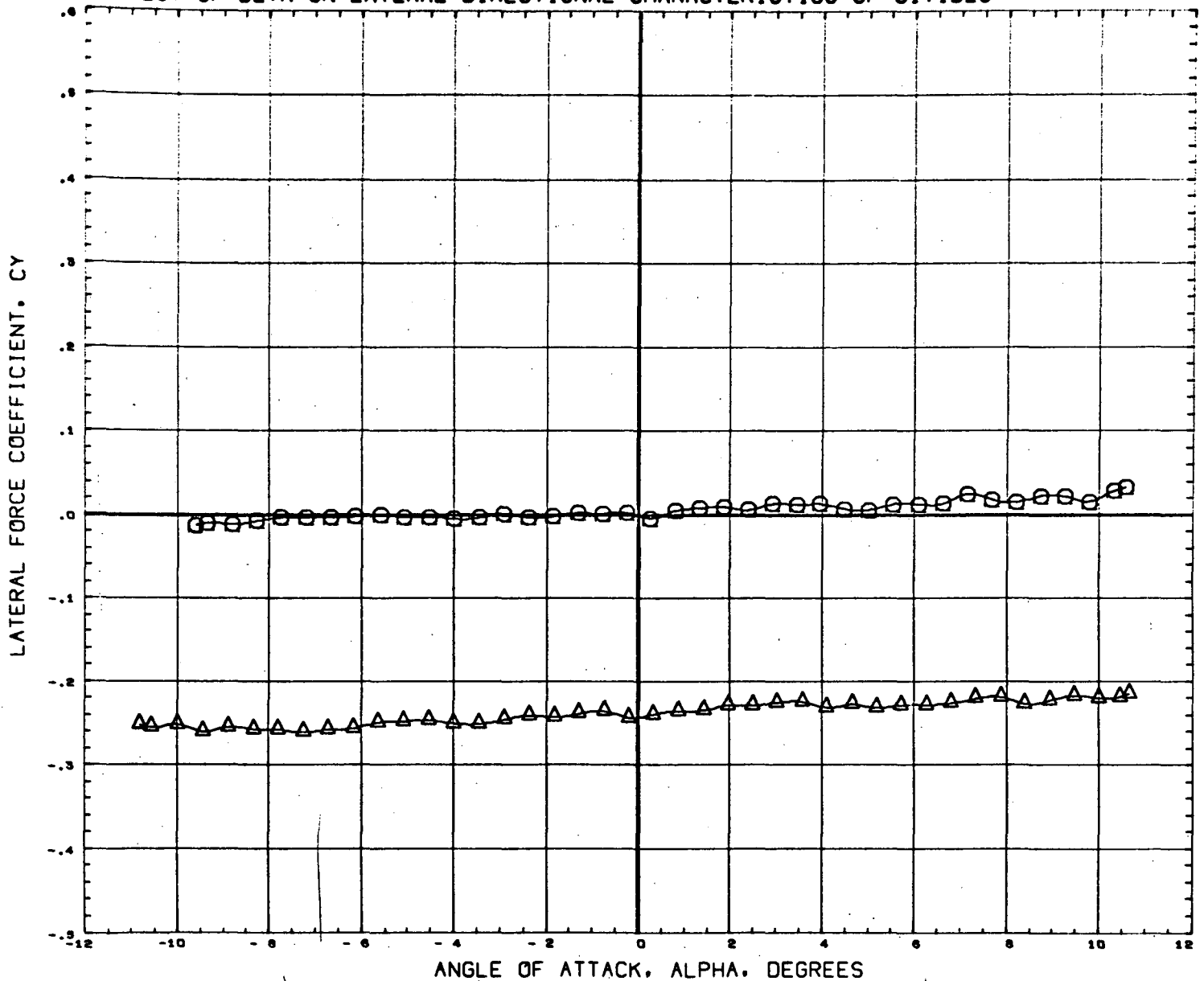
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7516)	MDAC S-222 COMPOSITE (T-CG) 01T1B2S	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7517)	MDAC S-222 COMPOSITE (T-CG) 01T1B2S	6.000	0.000	0.000	0.000	LREF	609.3004 IN.
						BREF	882.0004 IN.
						XMRP	537.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH

.56

PAGE 448

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 011B2S



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RD7516)  $\bigcirc$  MDAC S-222 COMPOSITE (T-CG) 011B2S  
(RD7517)  $\triangle$  MDAC S-222 COMPOSITE (T-CG) 011B2S

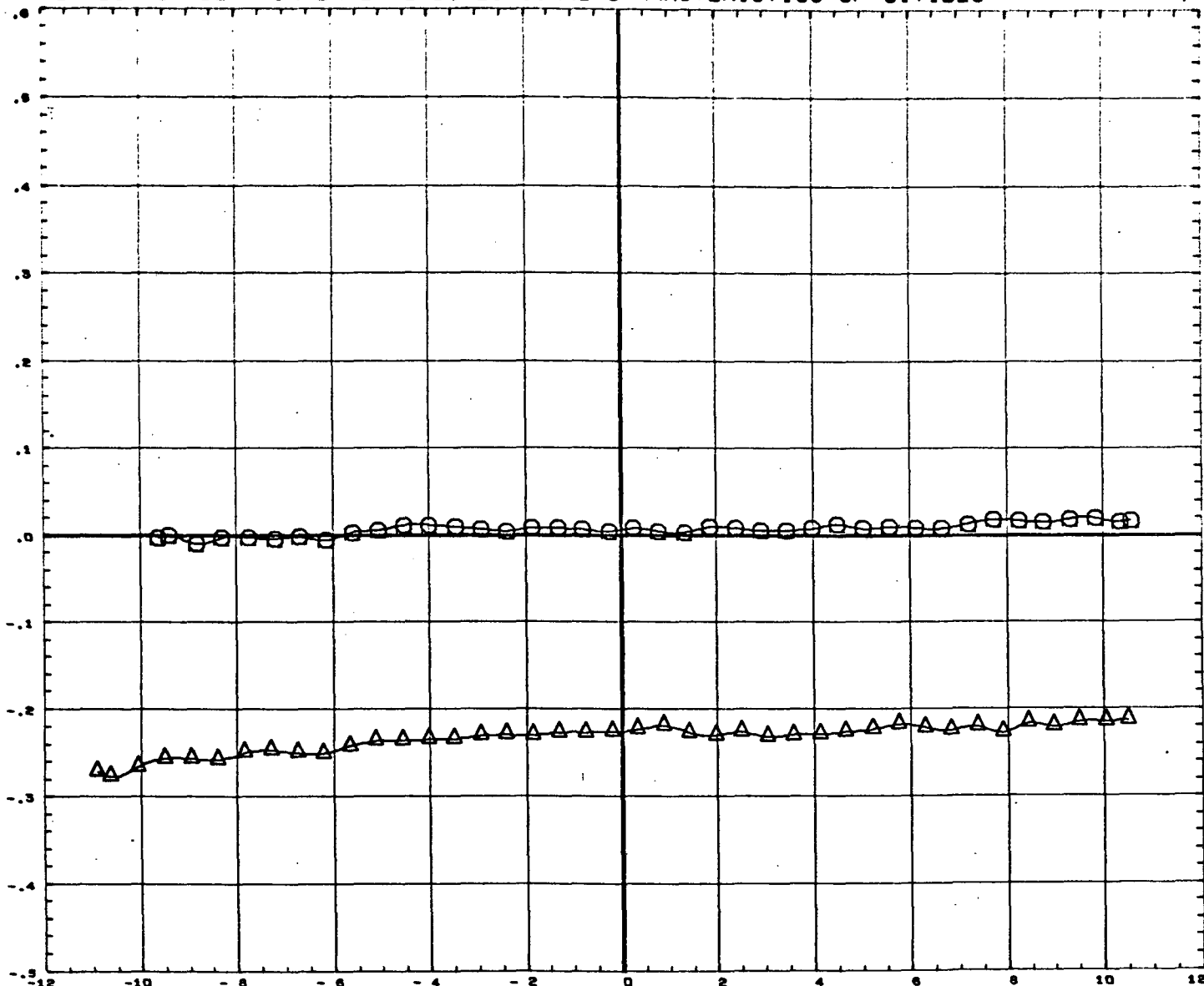
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	662.0004 IN.
				XMRP	537.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

PAGE 449

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T1B2S

LATERAL FORCE COEFFICIENT, CY



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RD7516)  $\bigcirc$  MDAC S-222 COMPOSITE (T-CG) 01T1B2S  
 (RD7517)  $\triangle$  MDAC S-222 COMPOSITE (T-CG) 01T1B2S

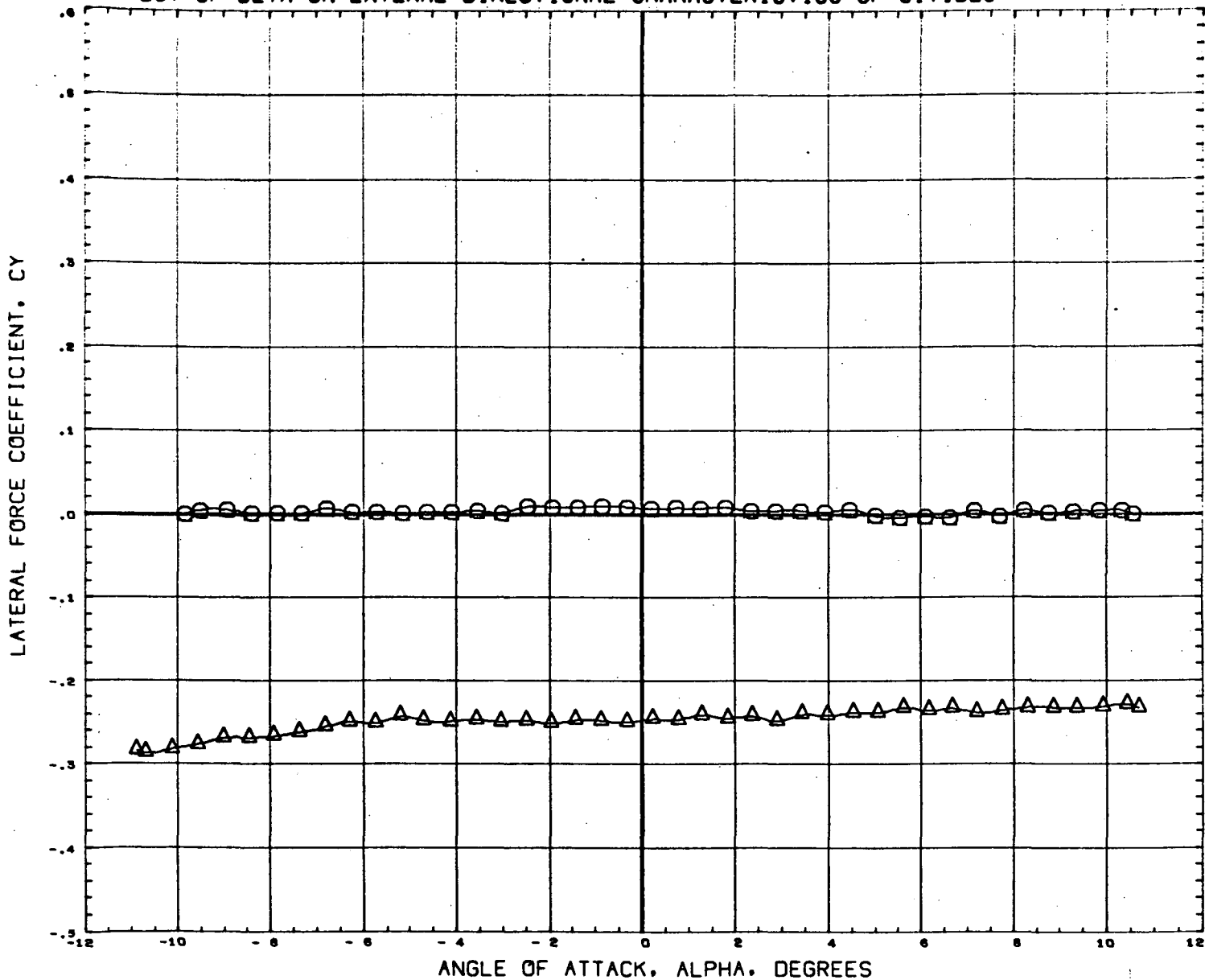
BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 6.000 0.000 0.000 0.000

REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 357.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH 1.08

PAGE 450

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T1B2S



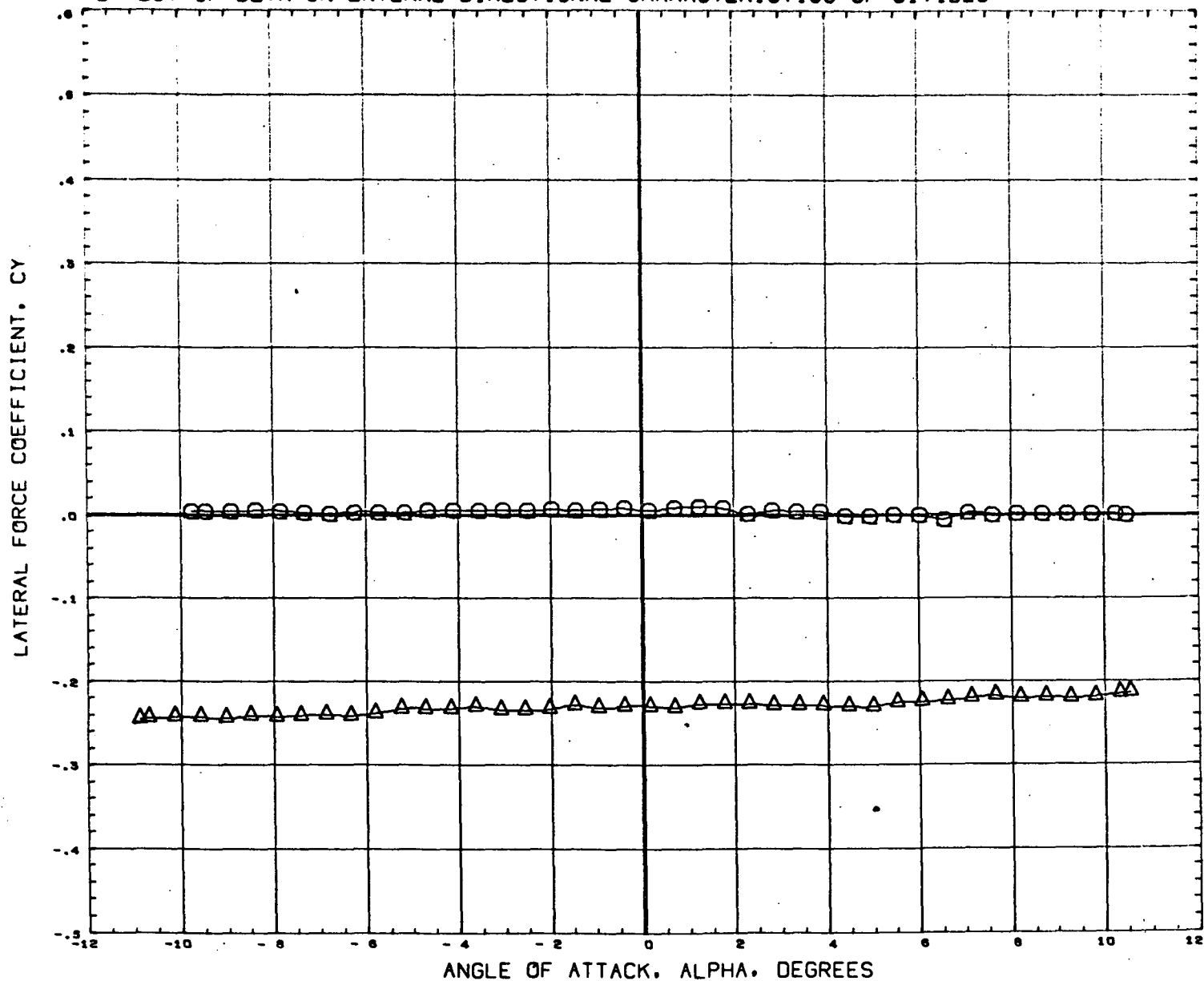
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RD7516) MDAC S-222 COMPOSITE (T-CG) 01T1B2S  
(RD7517) MDAC S-222 COMPOSITE (T-CG) 01T1B2S

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 451

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T1B2S

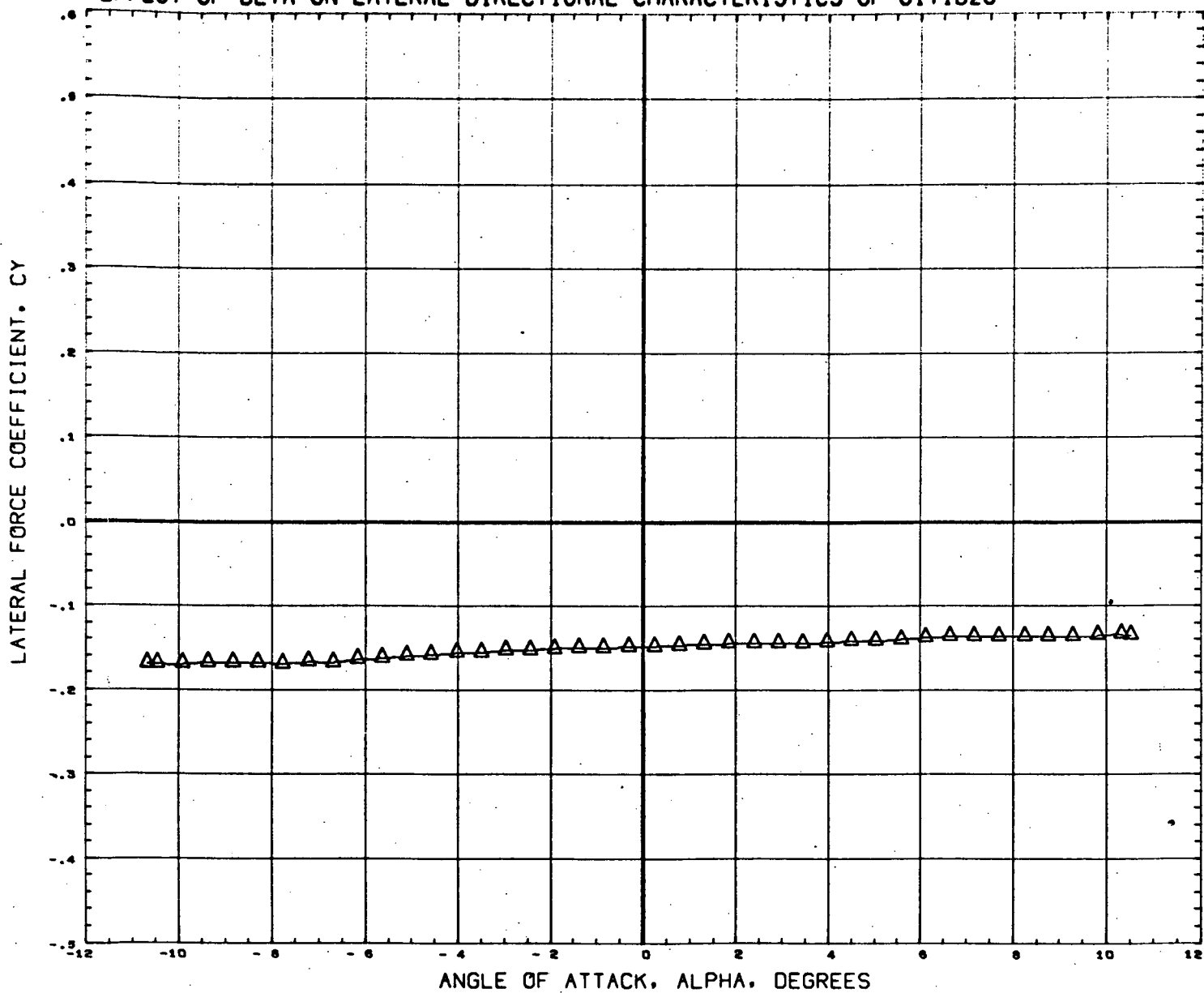


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7516)	MDAC S-222 COMPOSITE (T-CG) 01T1B2S	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7517)	MDAC S-222 COMPOSITE (T-CG) 01T1B2S	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 452

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T1B2S



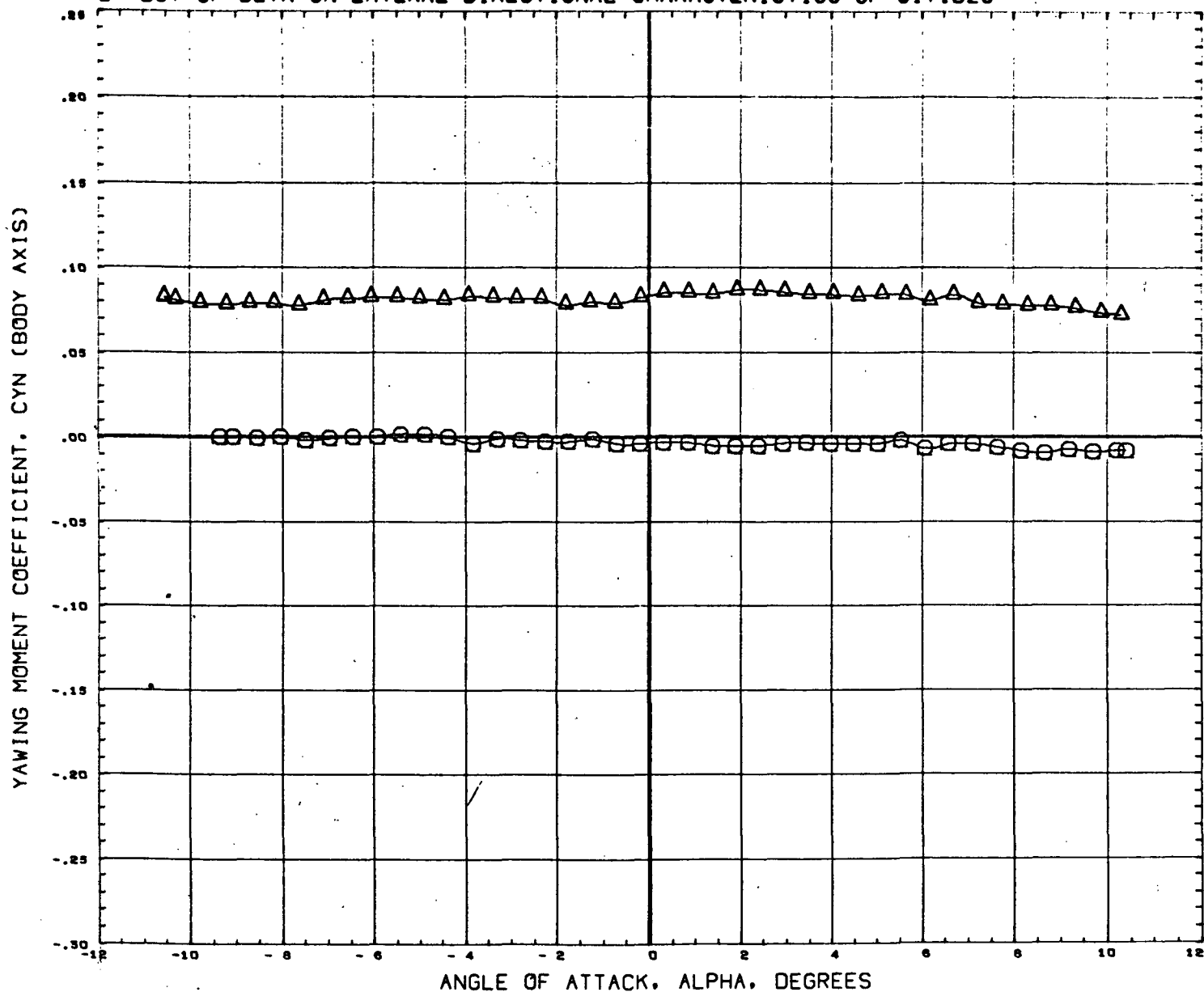
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RD7516)  $\bigcirc$  DATA NOT AVAILABLE FOR ALL CONDITIONS  
(RD7517)  $\triangle$  MDAC S-222 COMPOSITE (T-CG) 01T1B2S

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	662.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH 4.47

PAGE 453

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 011B2S



DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (RD7516)     $\Delta$     MDAC S-222 COMPOSITE (T-CG) 011B2S  
 (RD7517)     $\circ$     MDAC S-222 COMPOSITE (T-CG) 011B2S

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	537.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

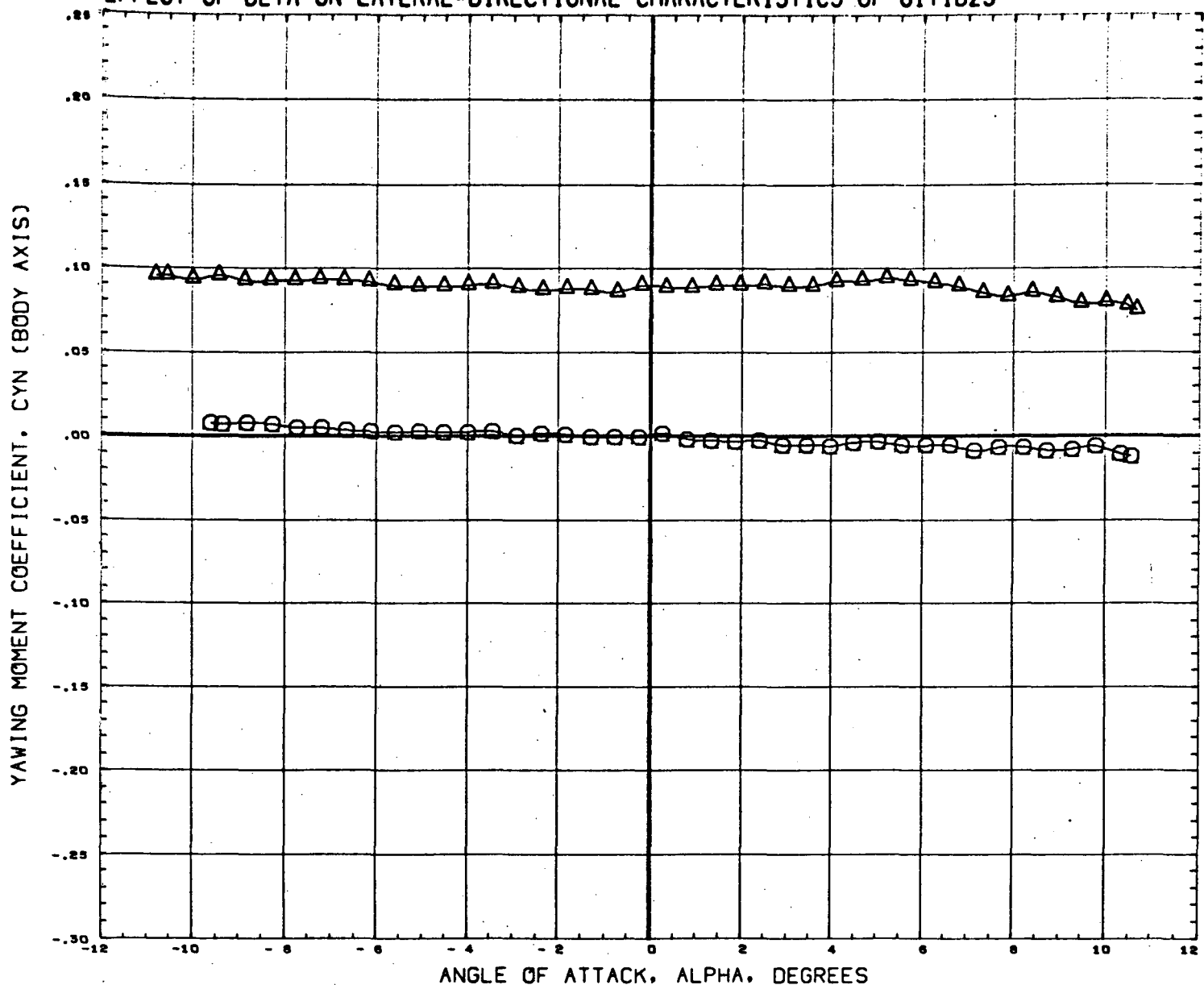
MACH

.56

PAGE 454



# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 011B2S



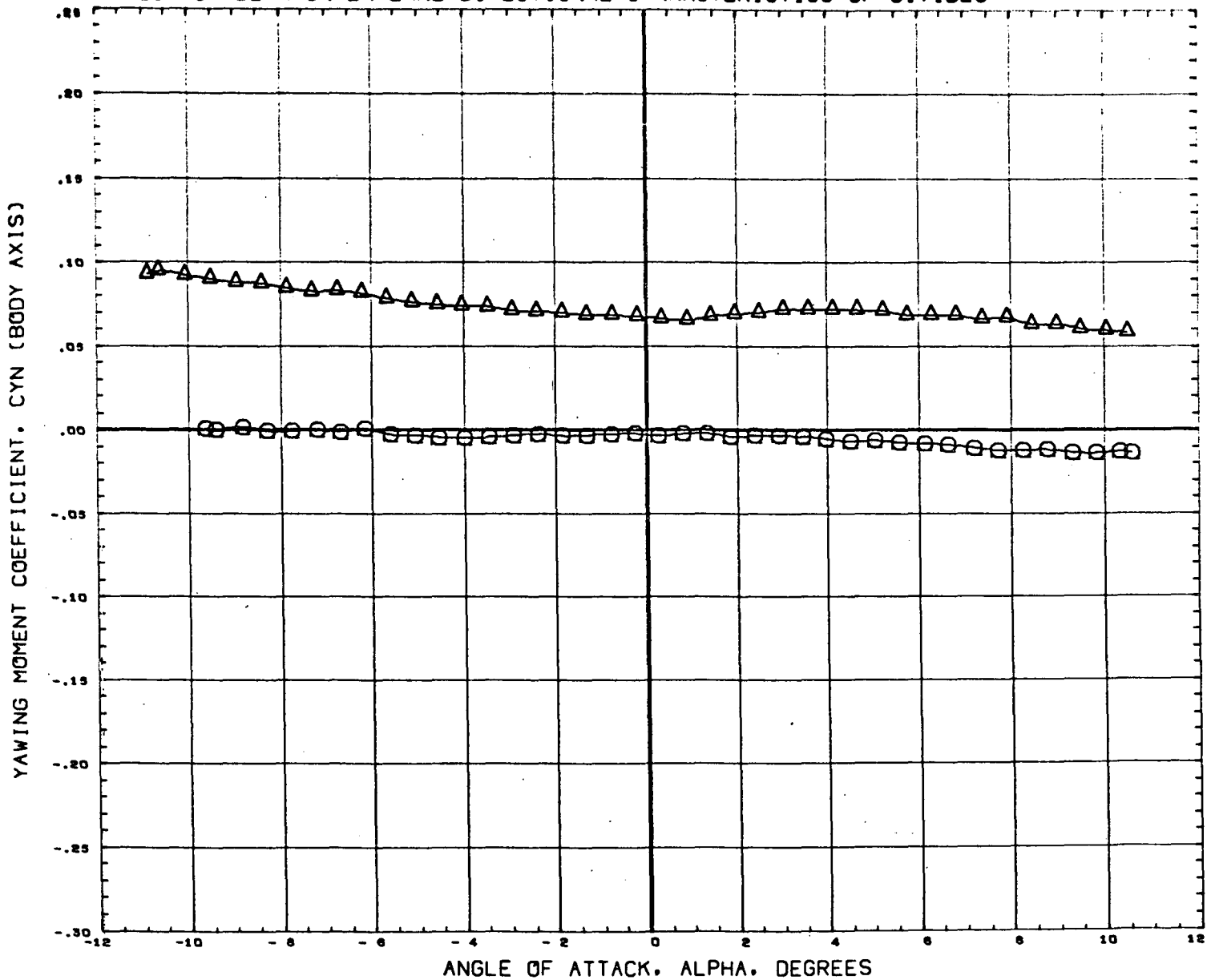
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RD7516)  $\Delta$  MDAC S-222 COMPOSITE (T-CG) 011B2S  
 (RD7517)  $\Delta$  MDAC S-222 COMPOSITE (T-CG) 011B2S

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	662.0004 IN.
				XMRP	537.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

PAGE 455

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T1B2S

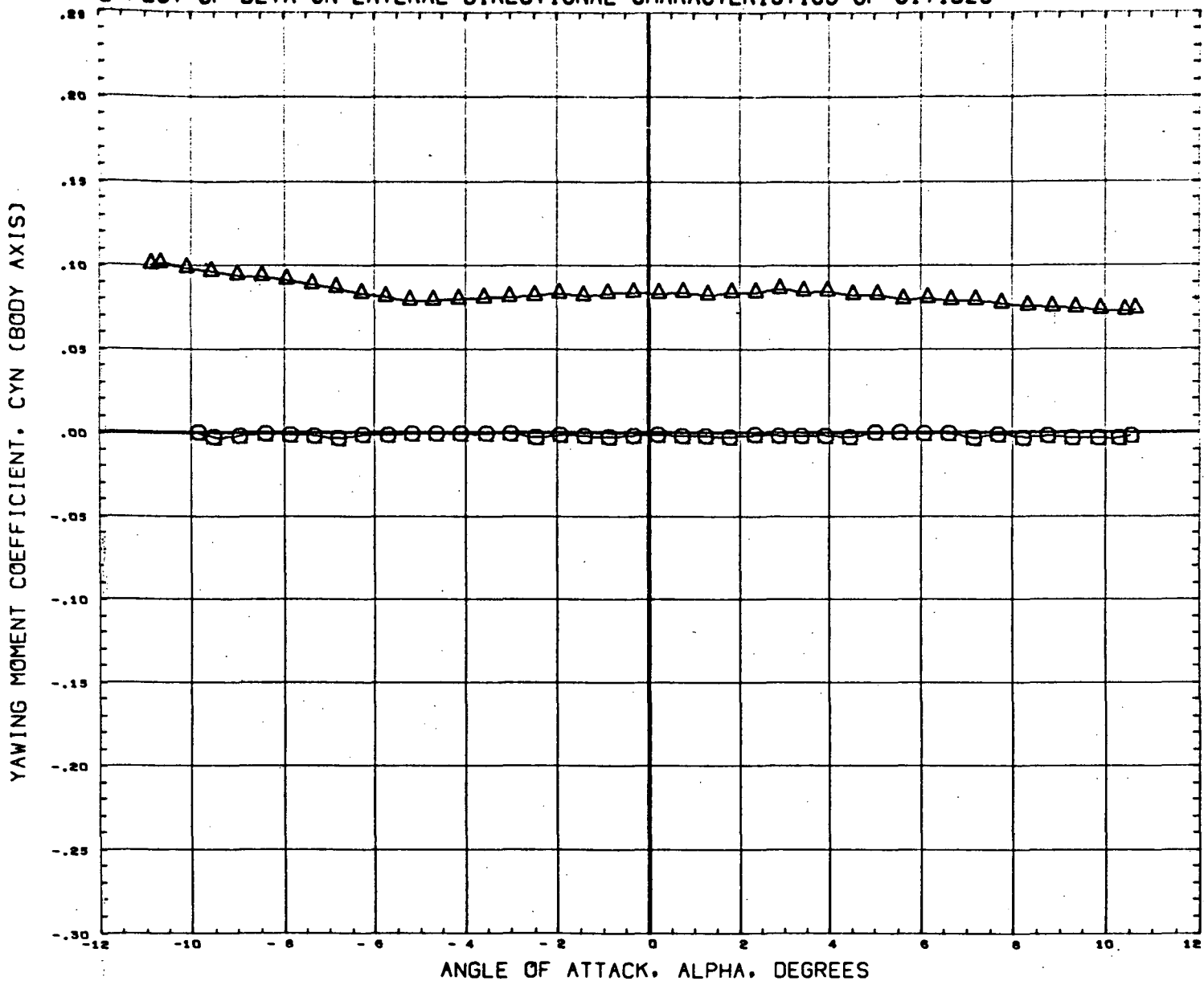


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7516)	MDAC S-222 COMPOSITE (T-CG) 01T1B2S	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7517)	MDAC S-222 COMPOSITE (T-CG) 01T1B2S	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.08

PAGE 456

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 011B2S



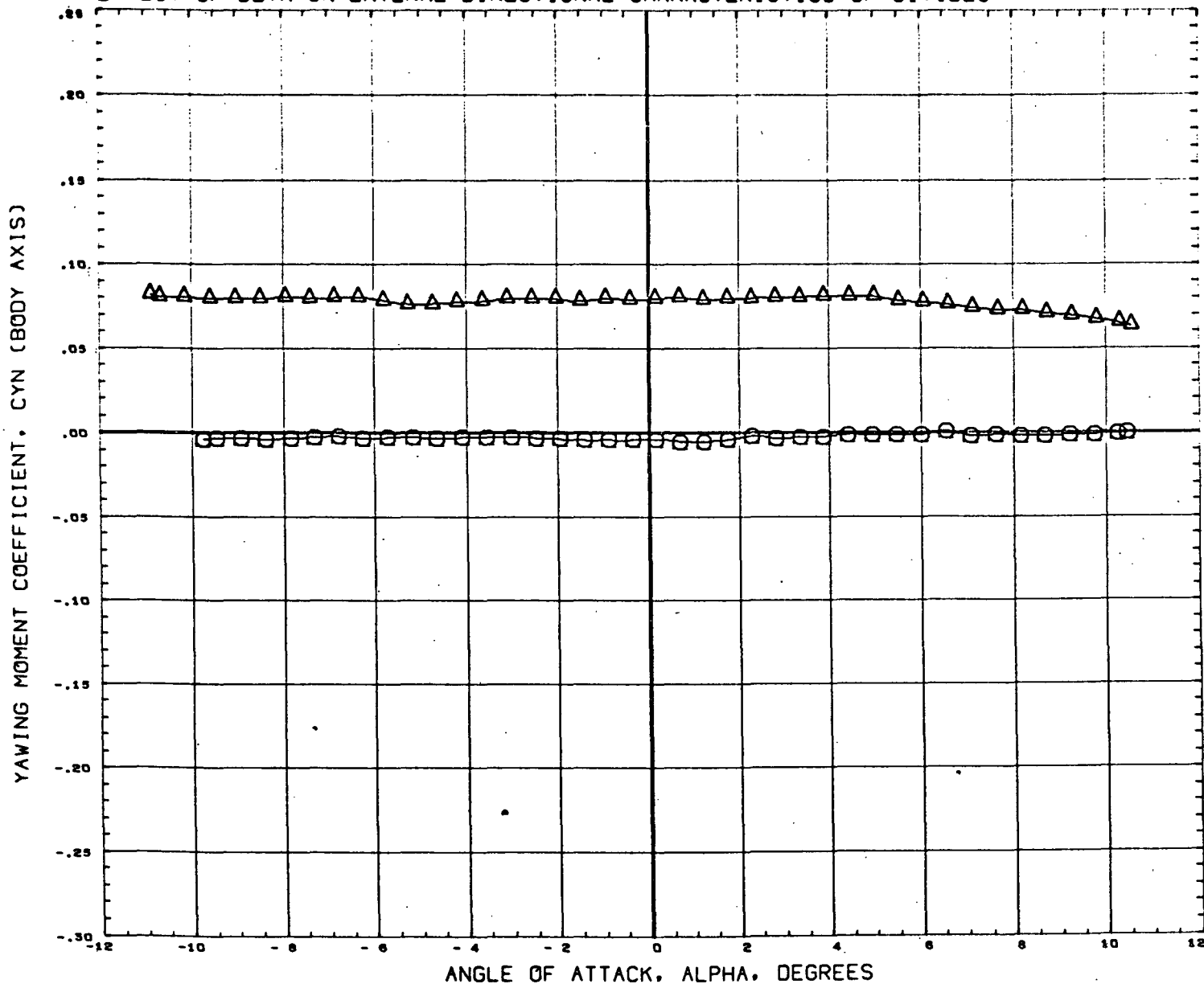
DATA SET SYMBOL      CONFIGURATION DESCRIPTION  
(RD7516)      MDAC S-222 COMPOSITE (T-CG) 011B2S  
(RD7517)      MDAC S-222 COMPOSITE (T-CG) 011B2S

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	997.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 457

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 011B2S



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RD7516)  $\Delta$  MDAC S-222 COMPOSITE (T-CG) 011B2S  
 (RD7517)  $\circ$  MDAC S-222 COMPOSITE (T-CG) 011B2S

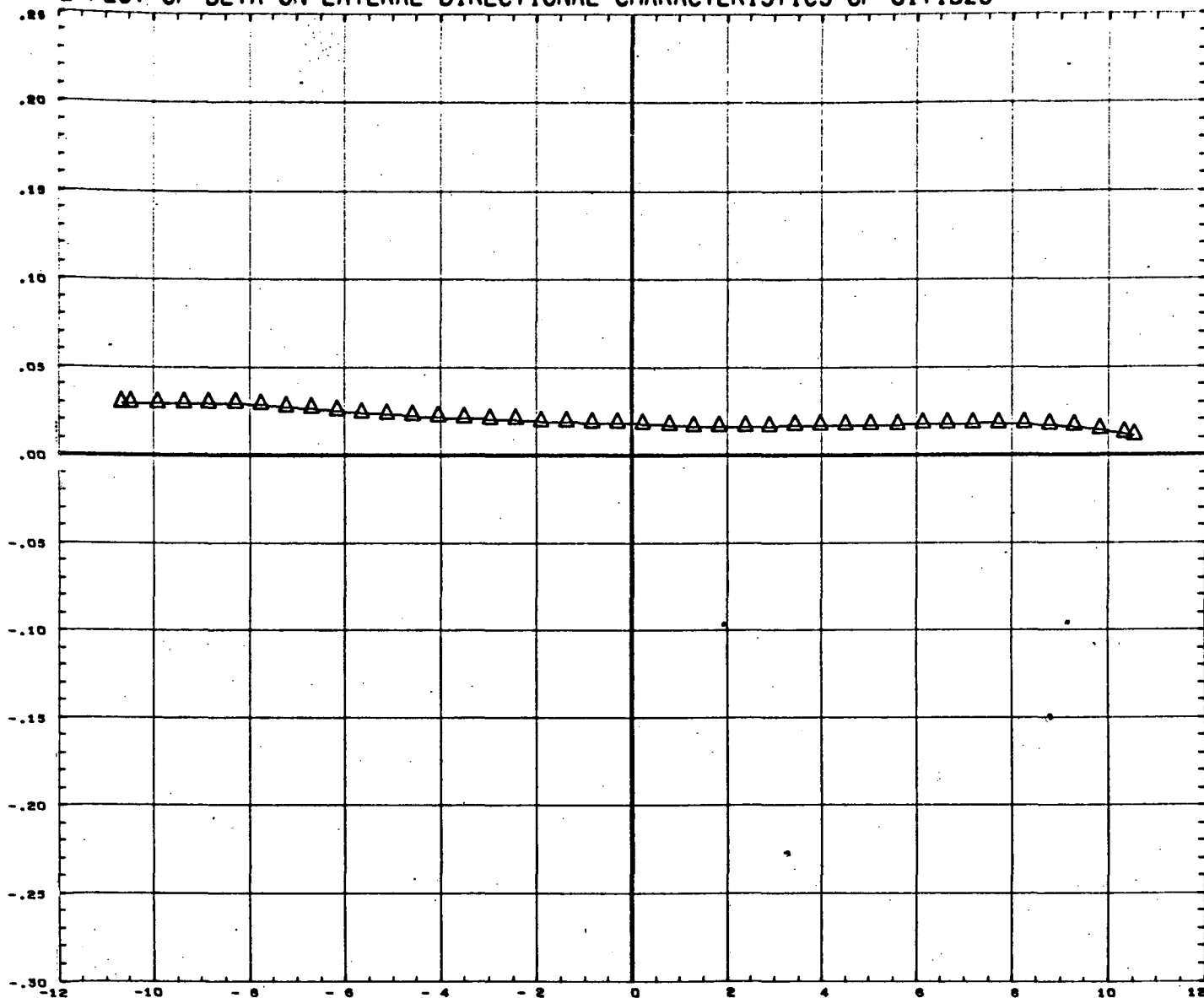
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	882.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH 2.20

PAGE 458

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 011B2S

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RD7516) DATA NOT AVAILABLE FOR ALL CONDITIONS  
(RD7517) MDAC S-222 COMPOSITE (T-CG) 011B2S

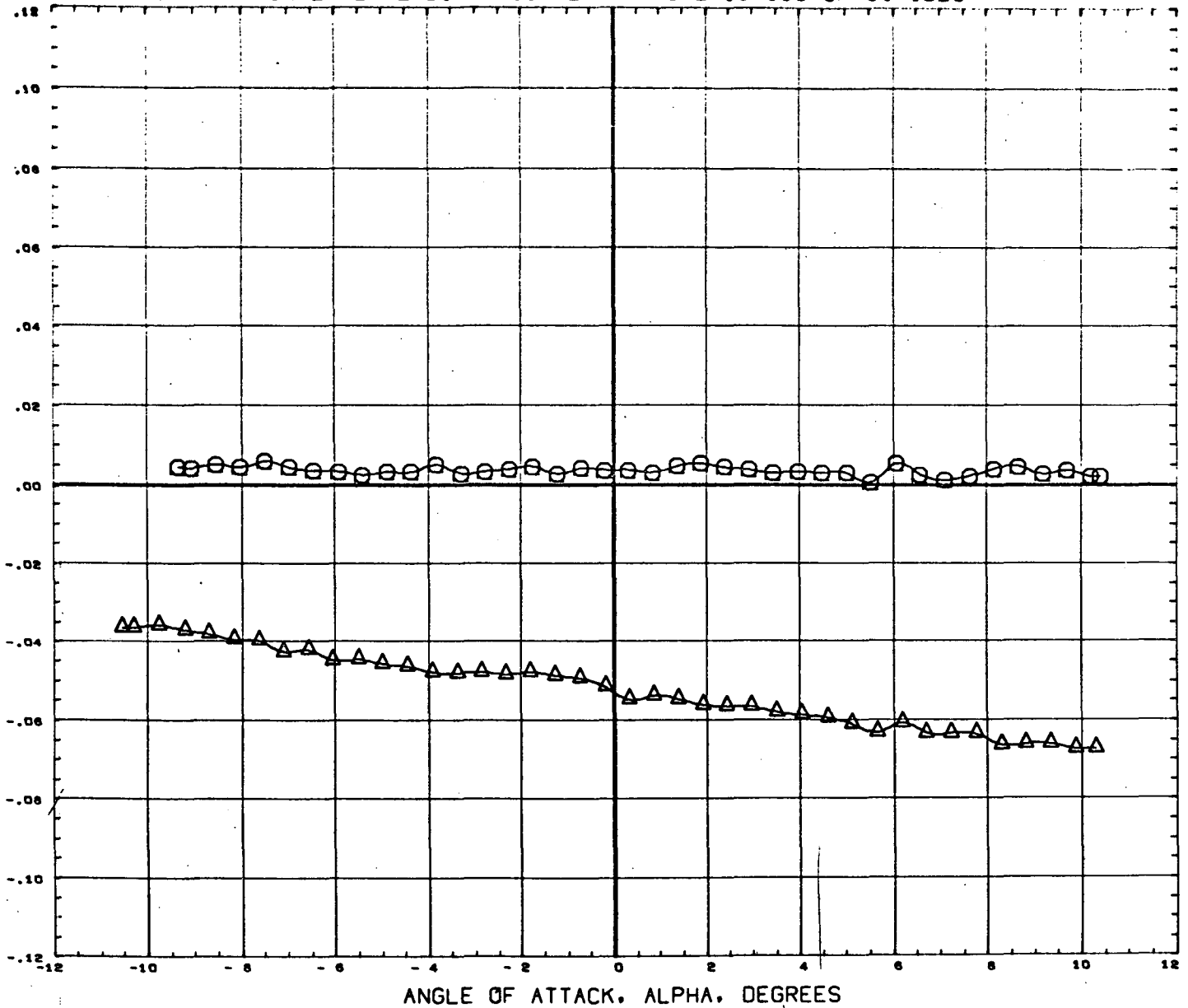
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMHP	557.0004 IN.
				YMHP	0.0000 IN.
				ZMHP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

PAGE 459

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T1B2S

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RD7516) MDAC S-222 COMPOSITE (T-CG) 01T1B2S  
 (RD7517) MDAC S-222 COMPOSITE (T-CG) 01T1B2S

BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 6.000 0.000 0.000 0.000

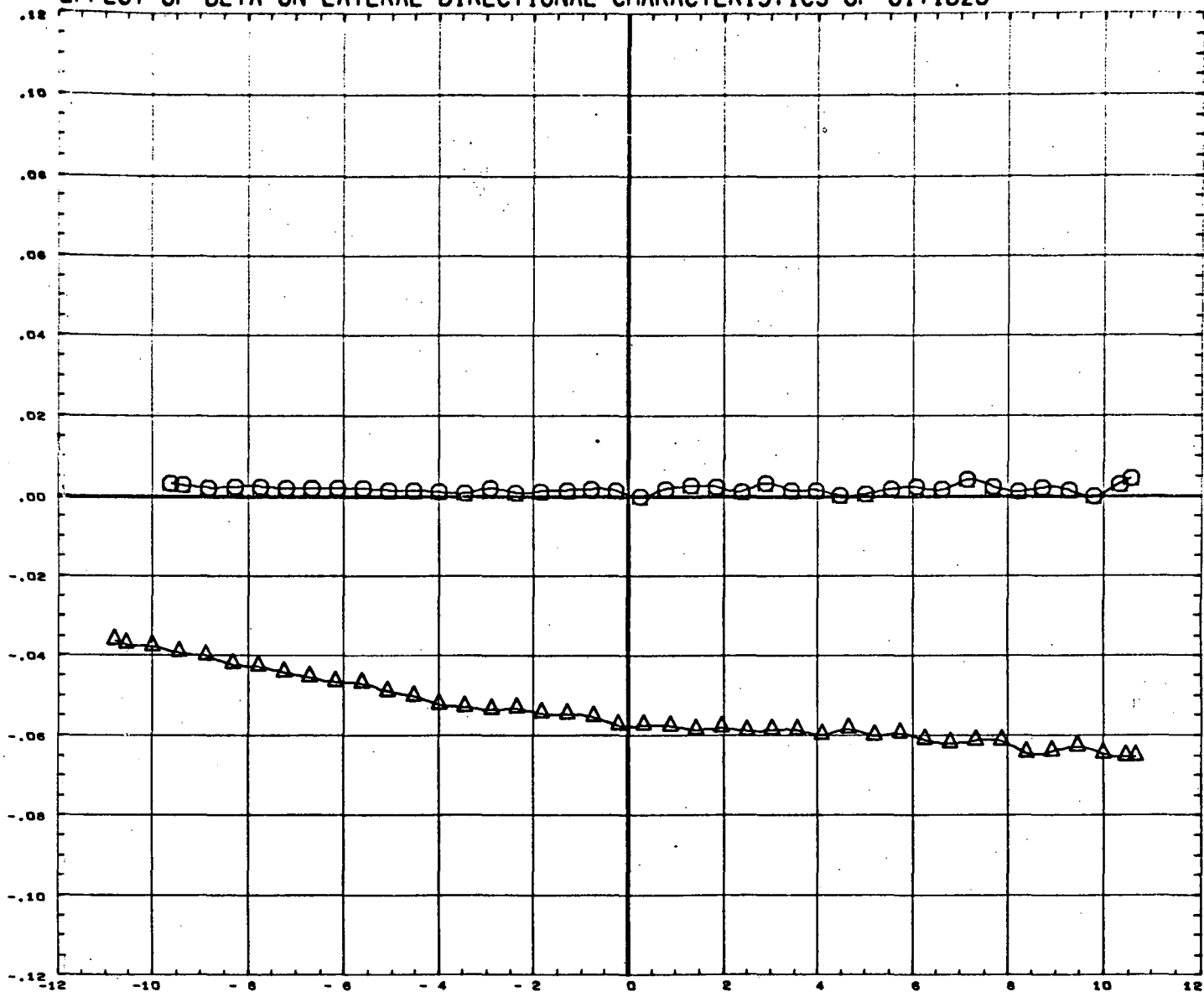
REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH .56

PAGE 460

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01182S

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RD7516)  $\bigcirc$  MDAC S-222 COMPOSITE (T-CG) 01182S  
(RD7517)  $\triangle$  MDAC S-222 COMPOSITE (T-CG) 01182S

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

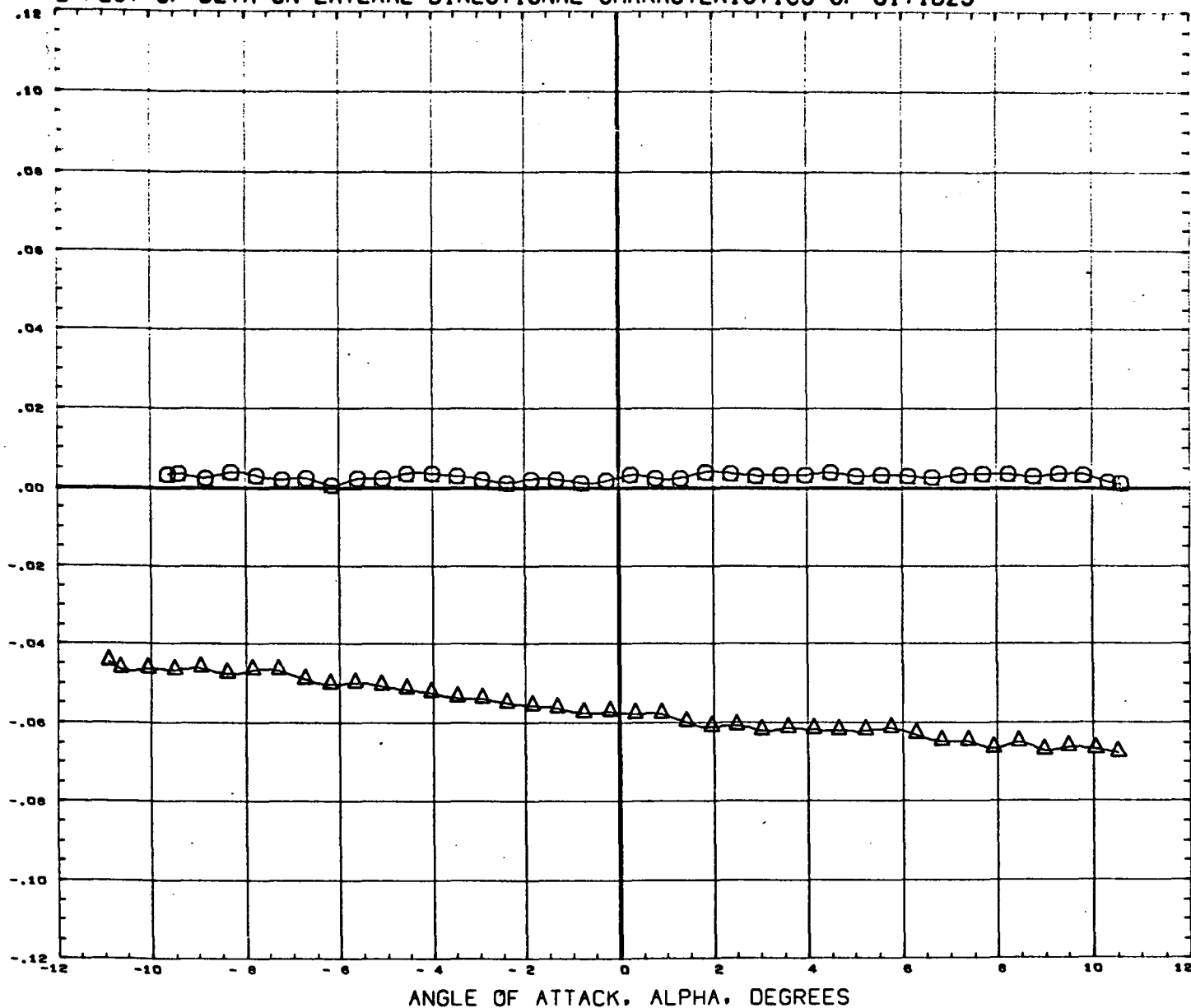
MACH

.89

PAGE 461

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 011B2S

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7516)	MDAC S-222 COMPOSITE (T-CG) 011B2S	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7517)	MDAC S-222 COMPOSITE (T-CG) 011B2S	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

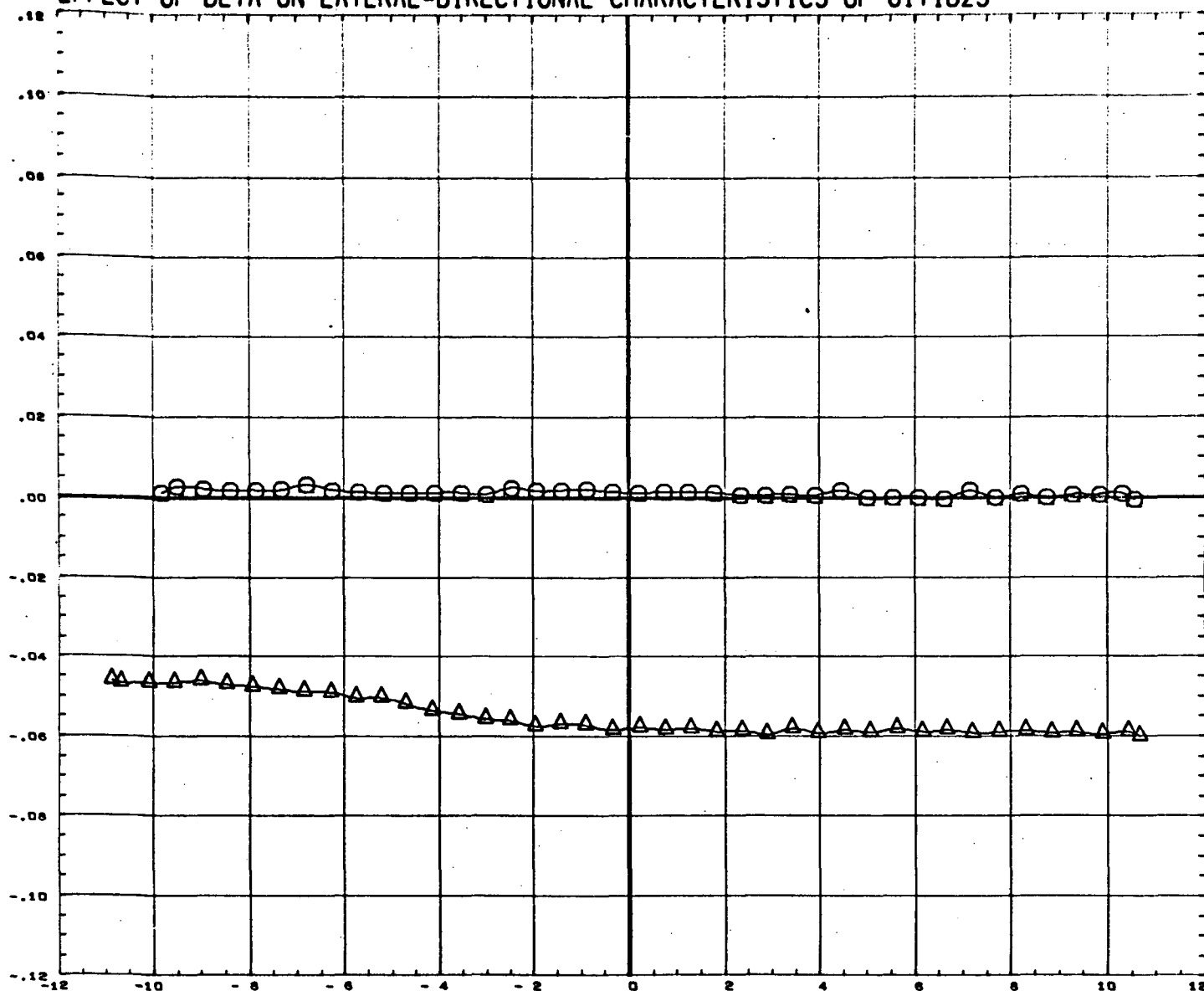
MACH 1.08

PAGE 462



# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T1B2S

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RD7516)  $\Delta$  MDAC S-222 COMPOSITE (T-CG) 01T1B2S  
(RD7517)  $\Delta$  MDAC S-222 COMPOSITE (T-CG) 01T1B2S

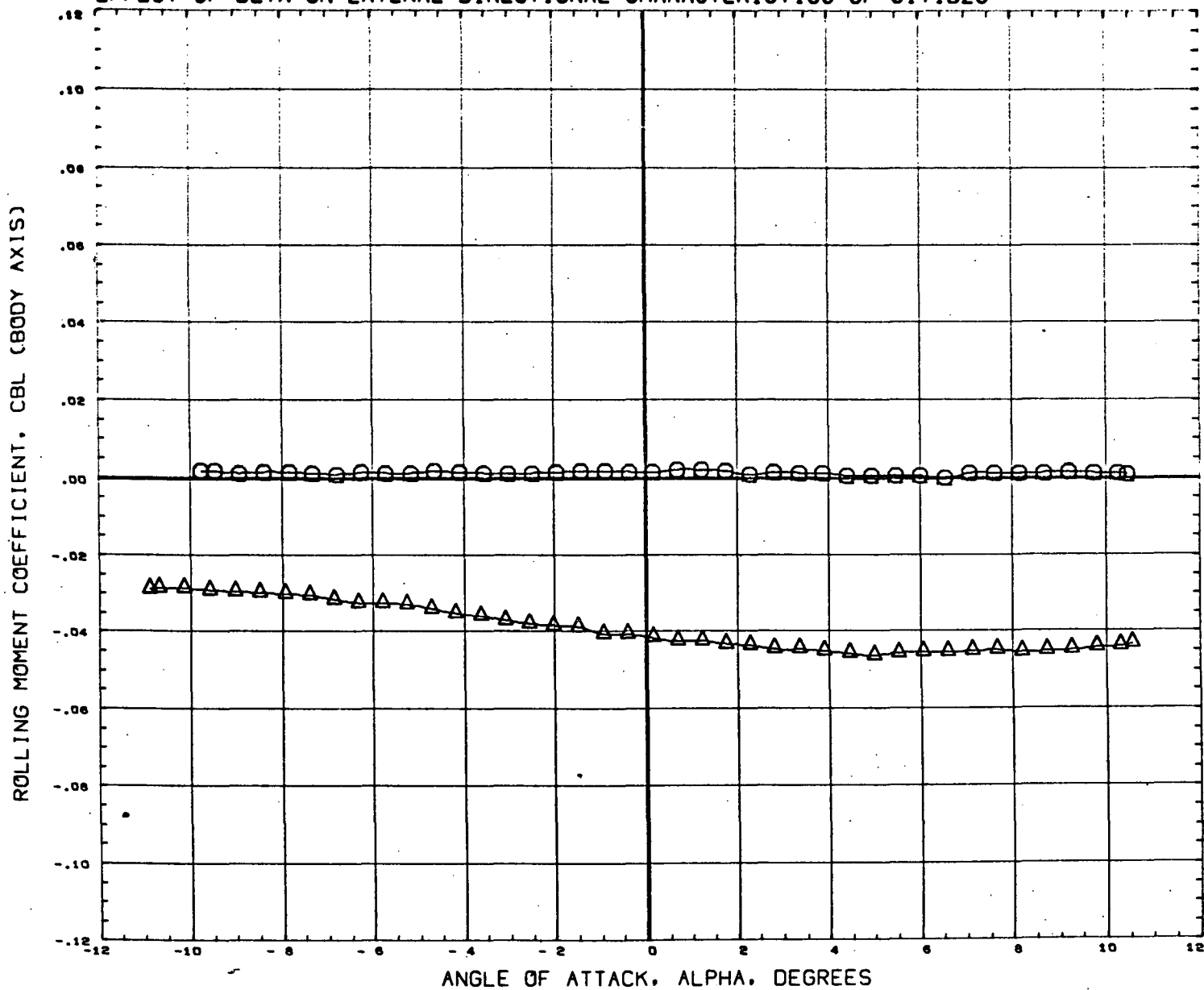
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH

1.51

PAGE 463

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 011B2S



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RD7516) MDAC S-222 COMPOSITE (T-CG) 011B2S  
(RD7517) MDAC S-222 COMPOSITE (T-CG) 011B2S

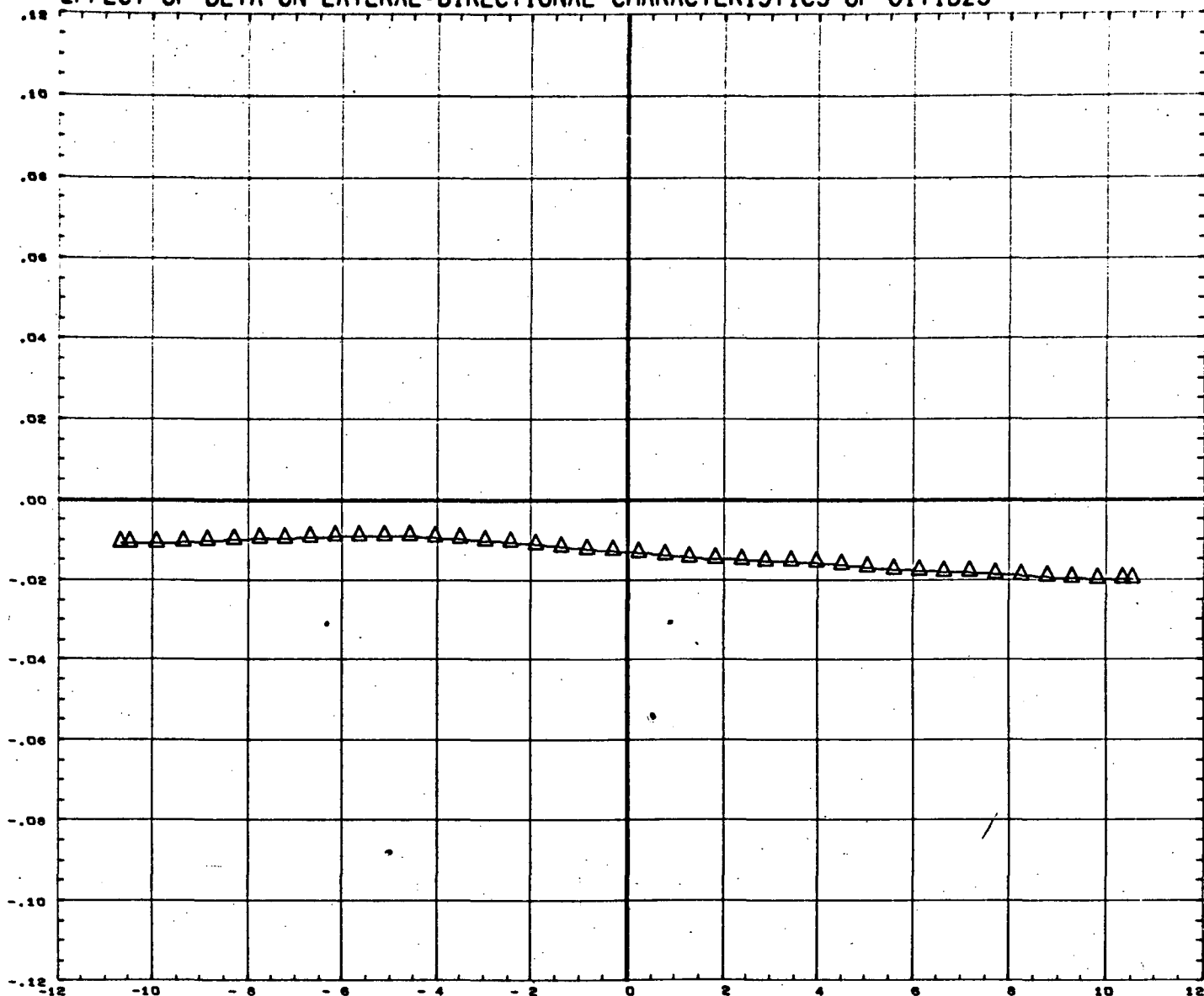
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

PAGE 464

# EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T1B2S

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

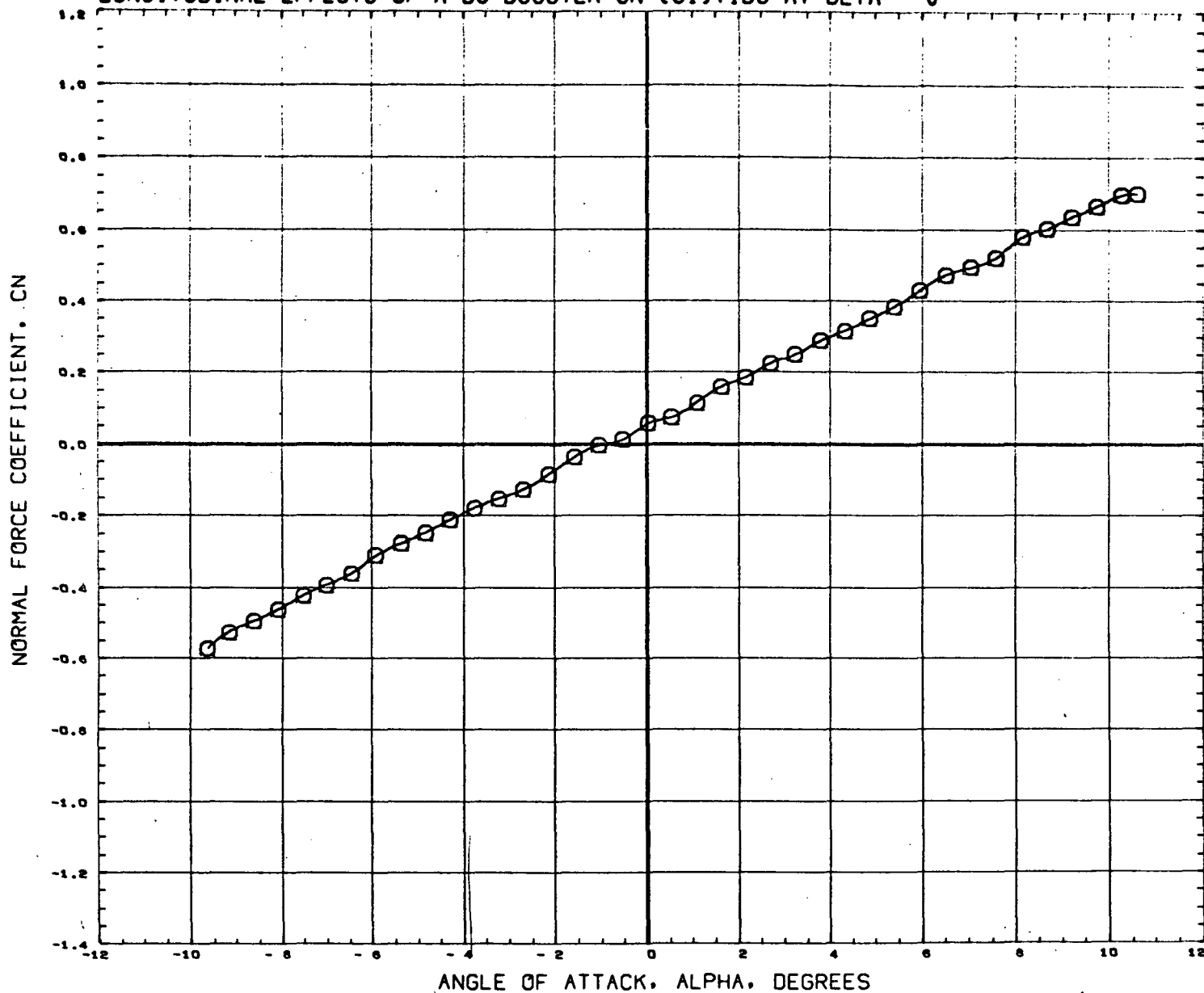
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RD7516) DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (RD7517) MDAC S-222 COMPOSITE (T-CG) 01T1B2S

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	882.0004 IN.
				XMRP	357.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

PAGE 465

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0



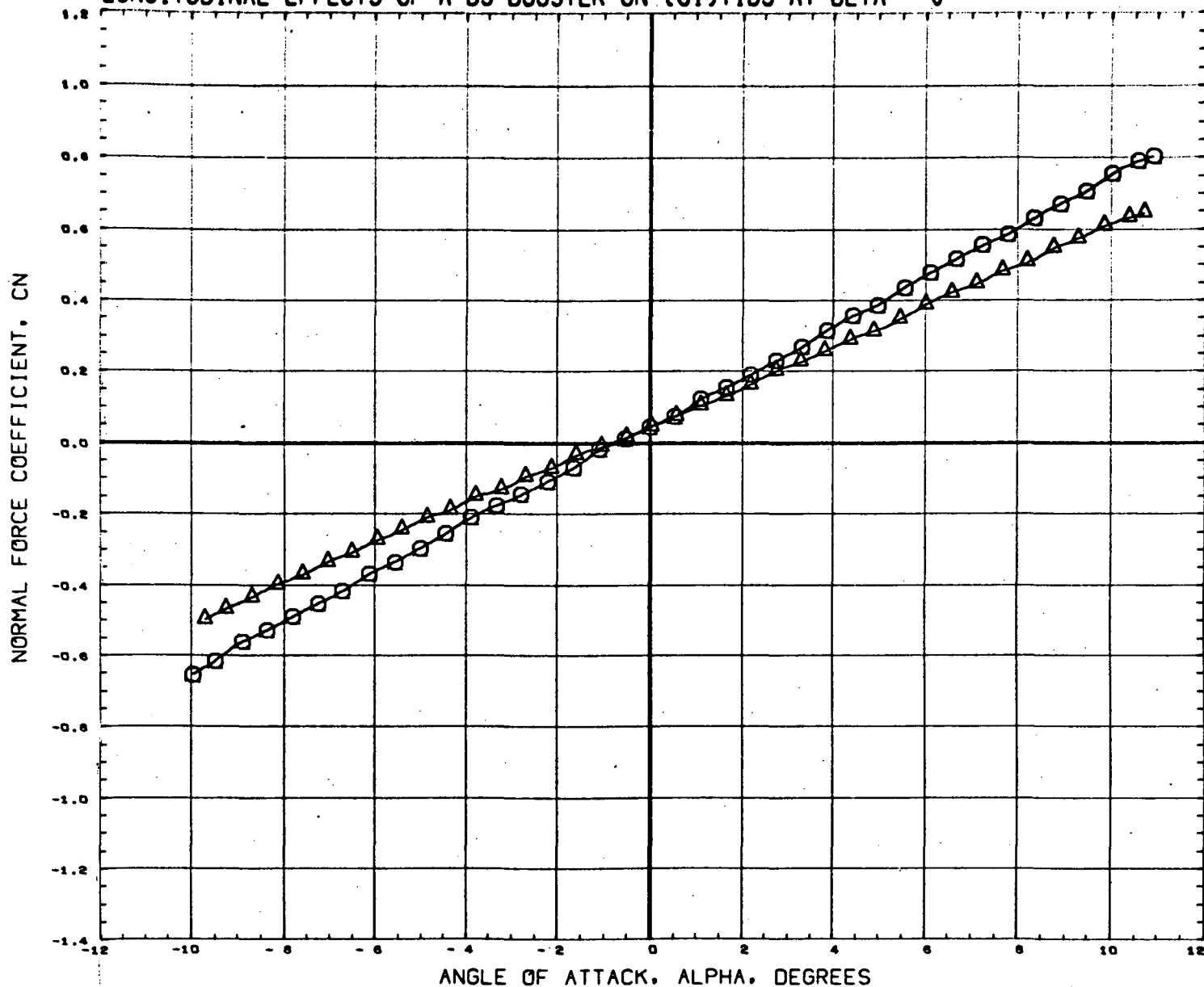
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7414)       MDAC S-222 COMPOSITE (T-CG) (01)T1B3  
 (CD7417)       DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	957.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH.    .59

PAGE    466

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T1B3 AT BETA = 0

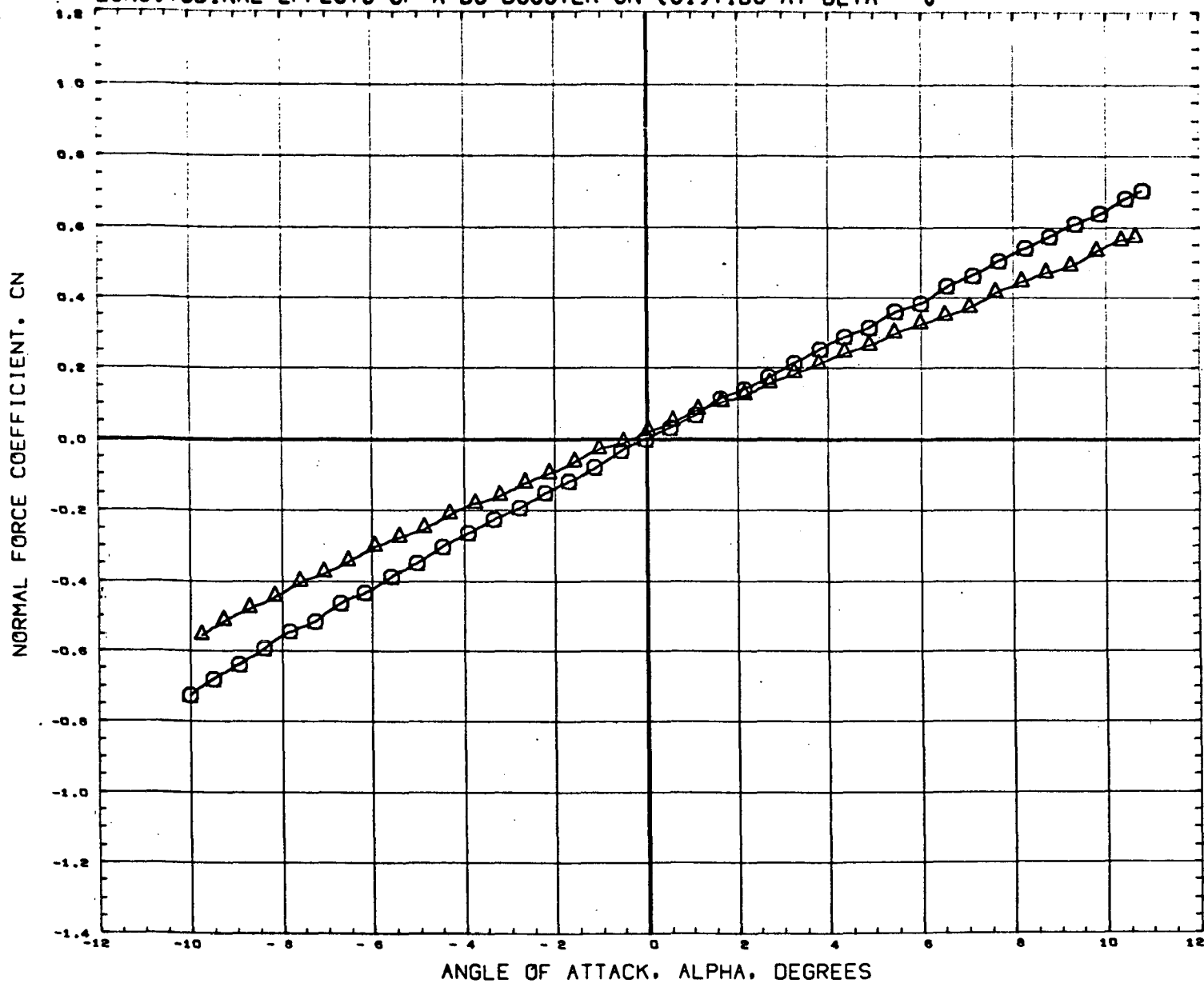


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7414)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7417)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 467

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0

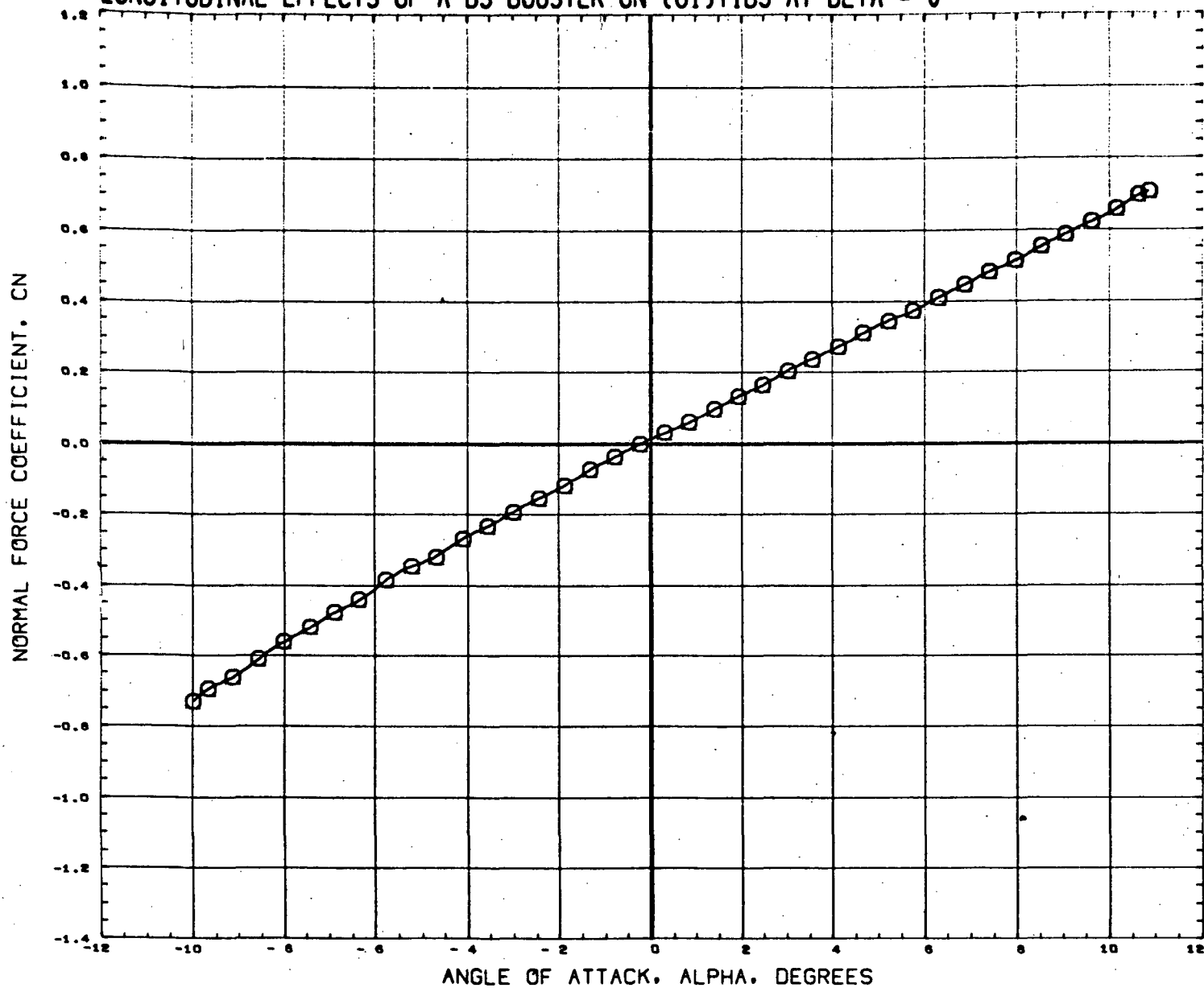


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7414)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7417)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

PAGE 468

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0



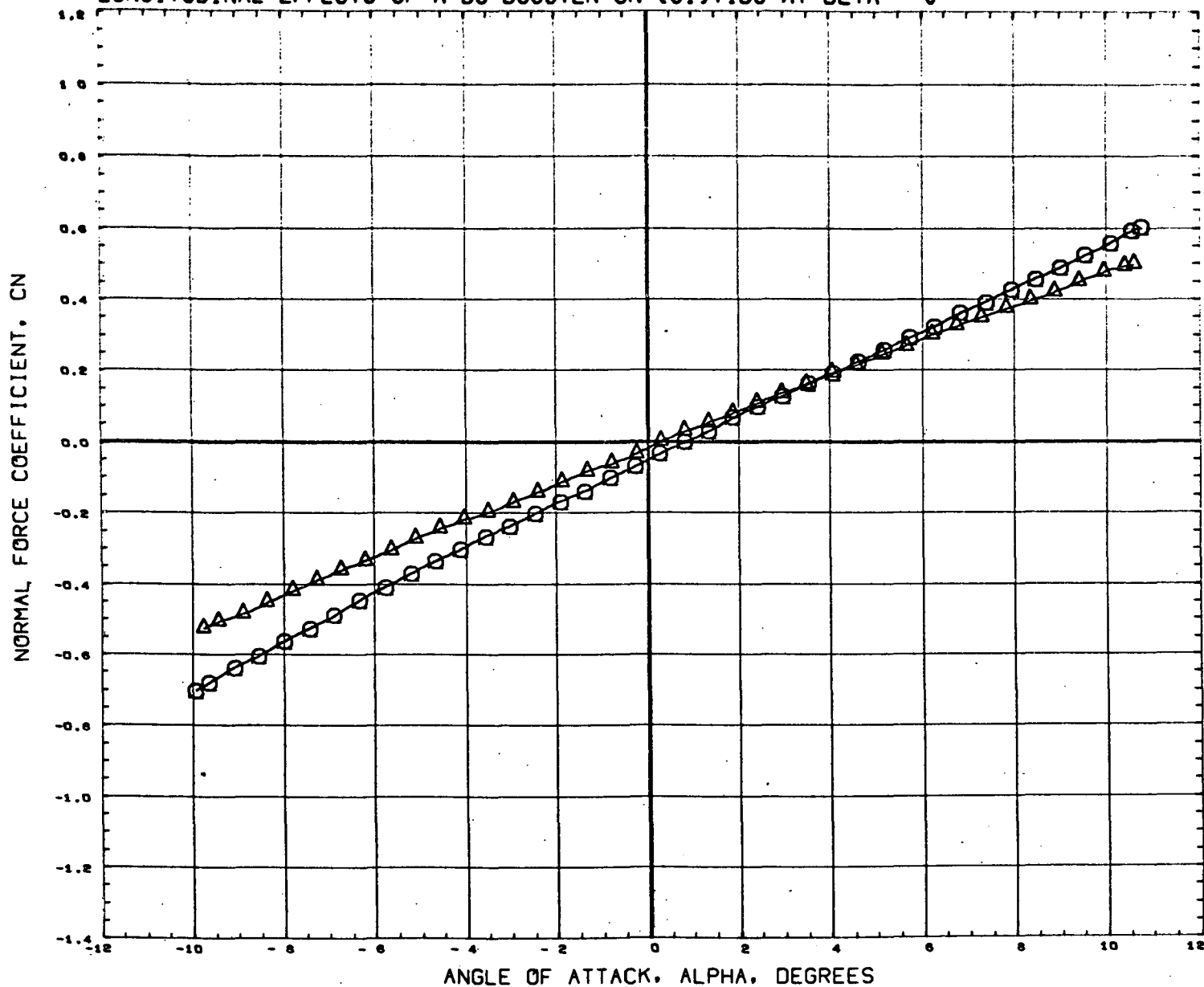
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7414)    MDAC S-222 COMPOSITE (T-CG) (01)T1B3  
 (CD7417)    DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH      1.51

PAGE    469

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0



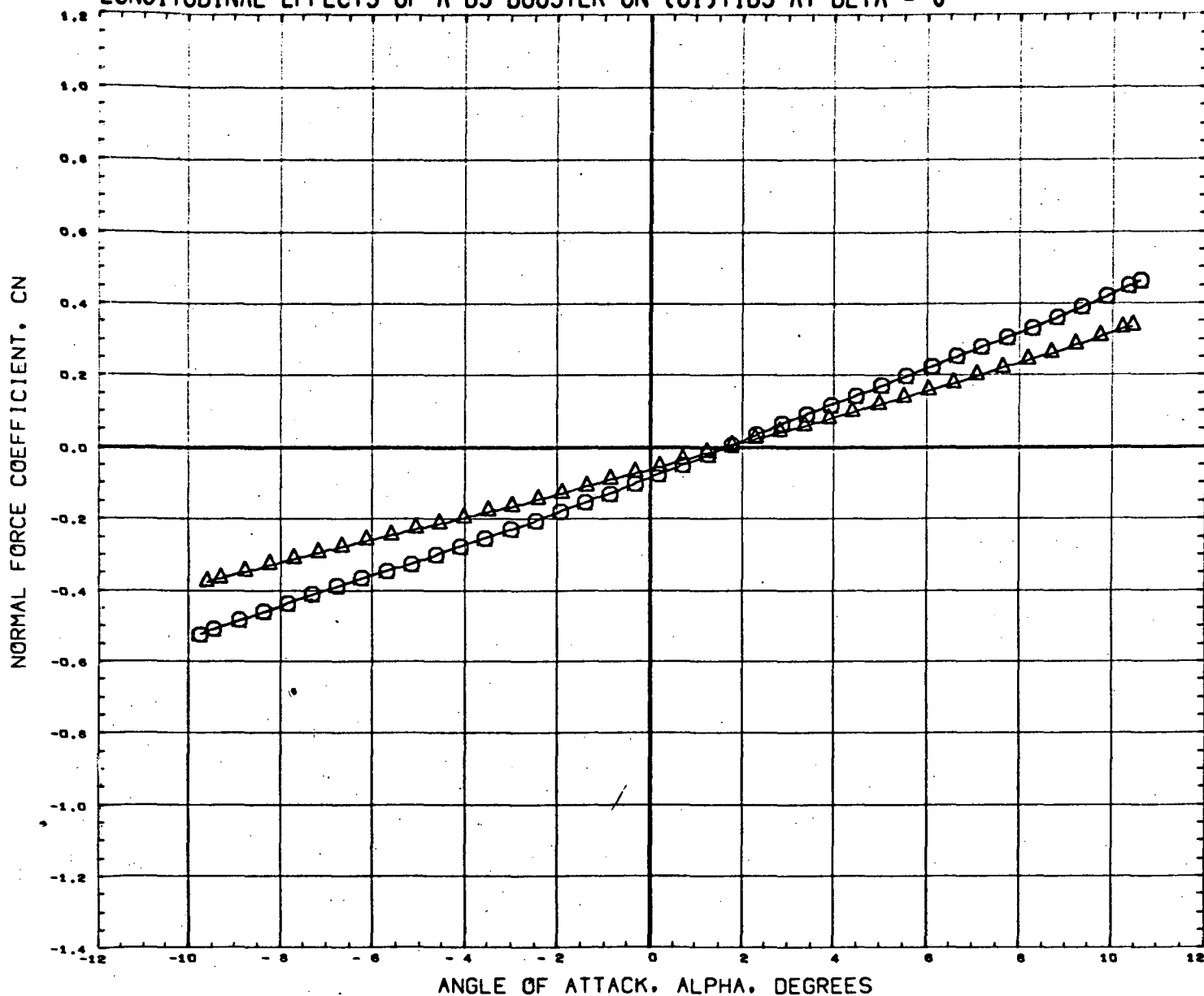
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7414)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7417)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 470



# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7414) (01)T1B3  
(CD7417) (01)T1B3L (B3R)

BETA ELEVTR AILRON RUDDER  
0.000 0.000 0.000 0.000  
0.000 0.000 0.000 0.000

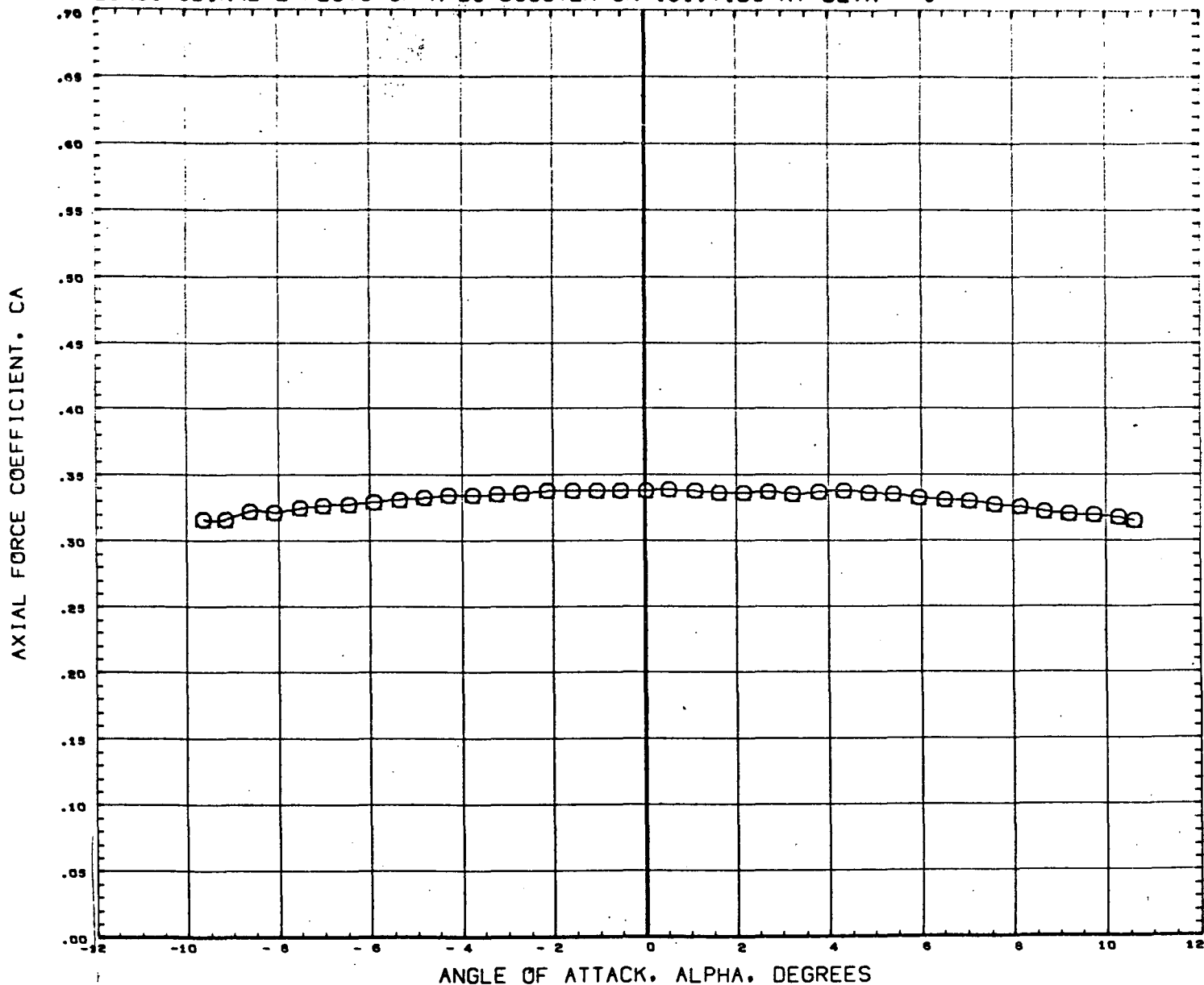
REFERENCE INFORMATION  
SREF 3155.3040 SQ.FT.  
LREF 609.5004 IN.  
BREF 882.0004 IN.  
XMRP 557.0004 IN.  
YMRP 0.0000 IN.  
ZMRP 200.0004 IN.  
SCALE 0.0060

MACH

4.47

PAGE 471

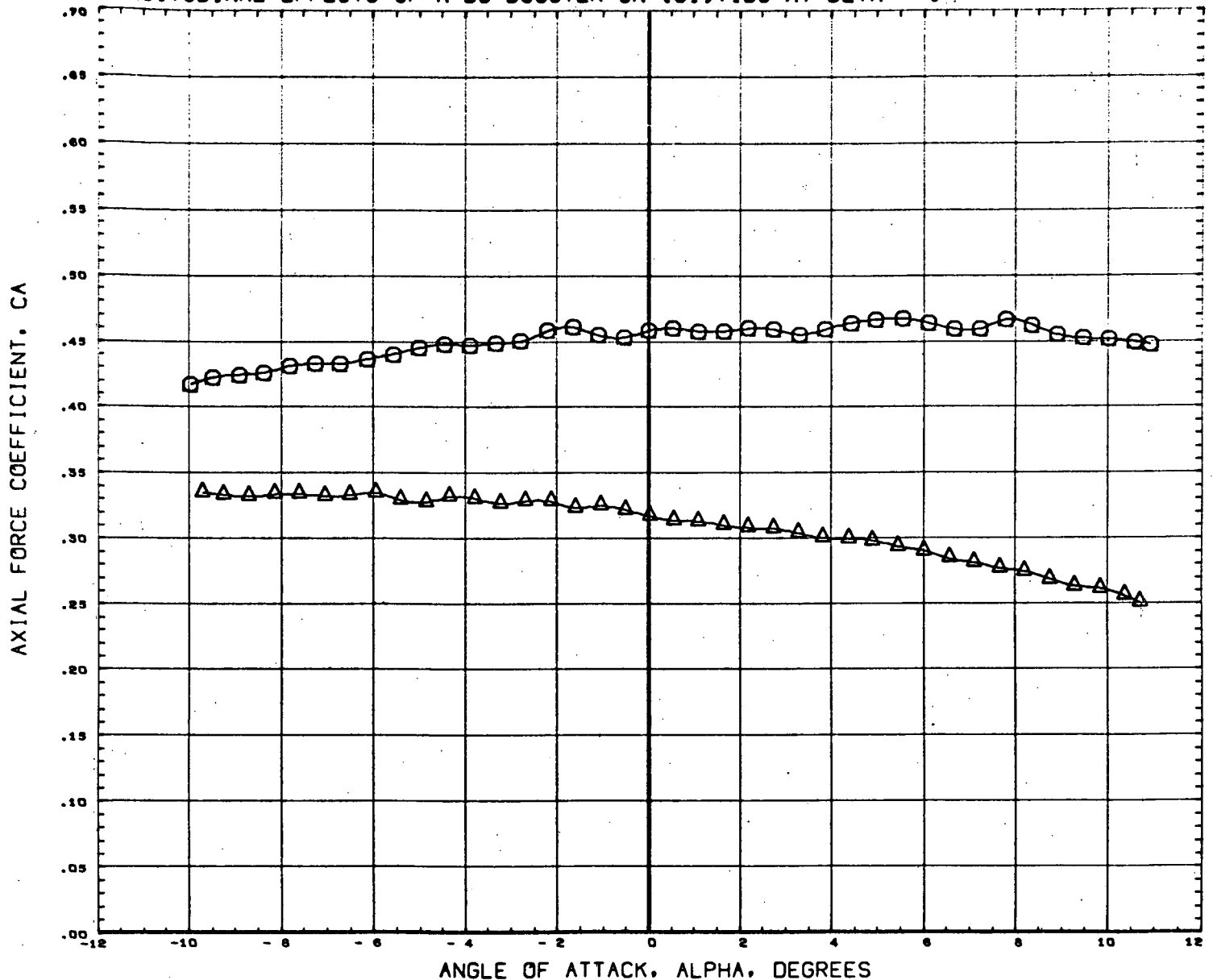
# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0



DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7414)    MDAC S-222 COMPOSITE (T-CG) (01)T1B3  
 (CD7417)    DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0



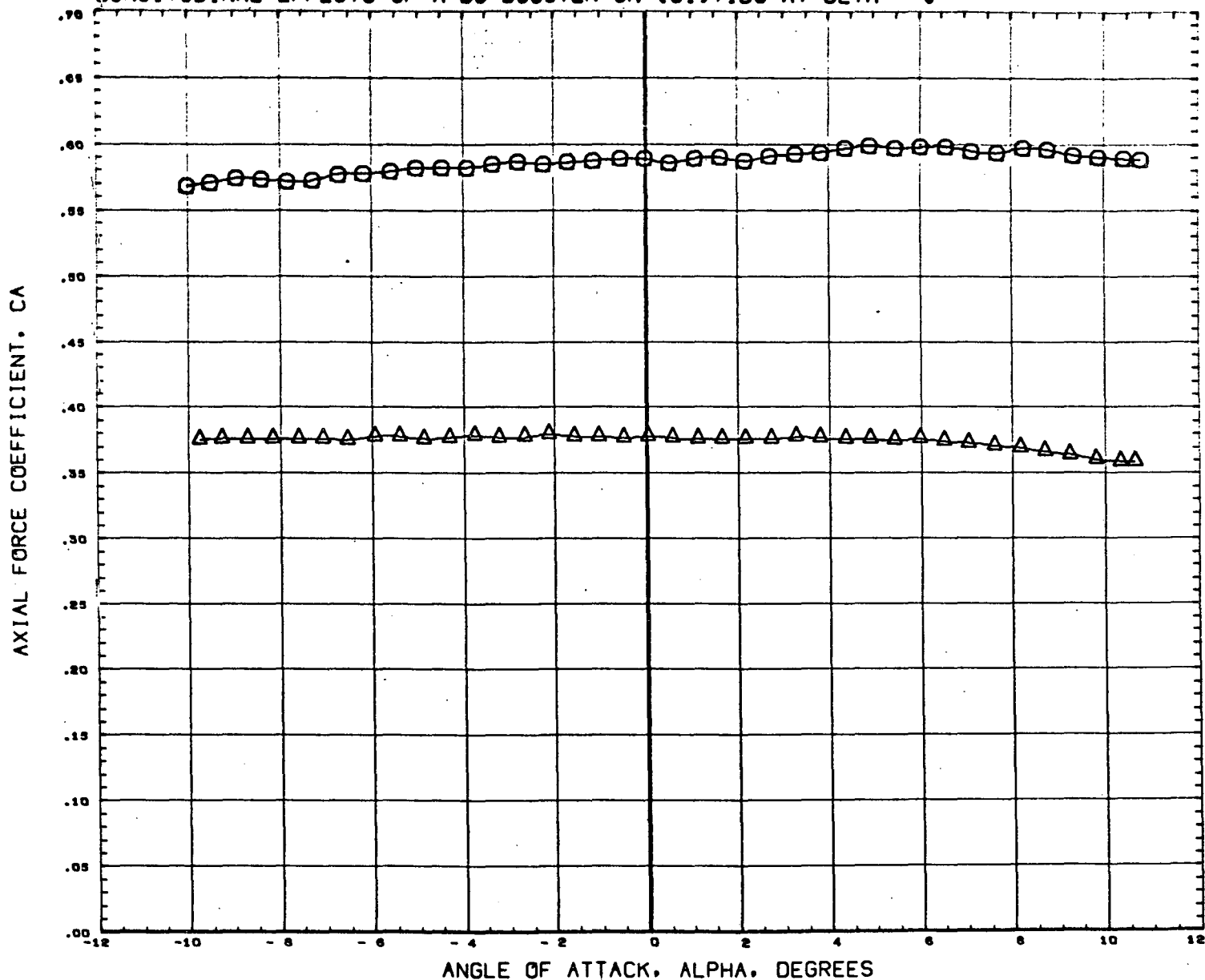
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7414) (01)T1B3  
 (CD7417) (01)T1B3L (B3R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .90

PAGE 473

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T1B3 AT BETA = 0



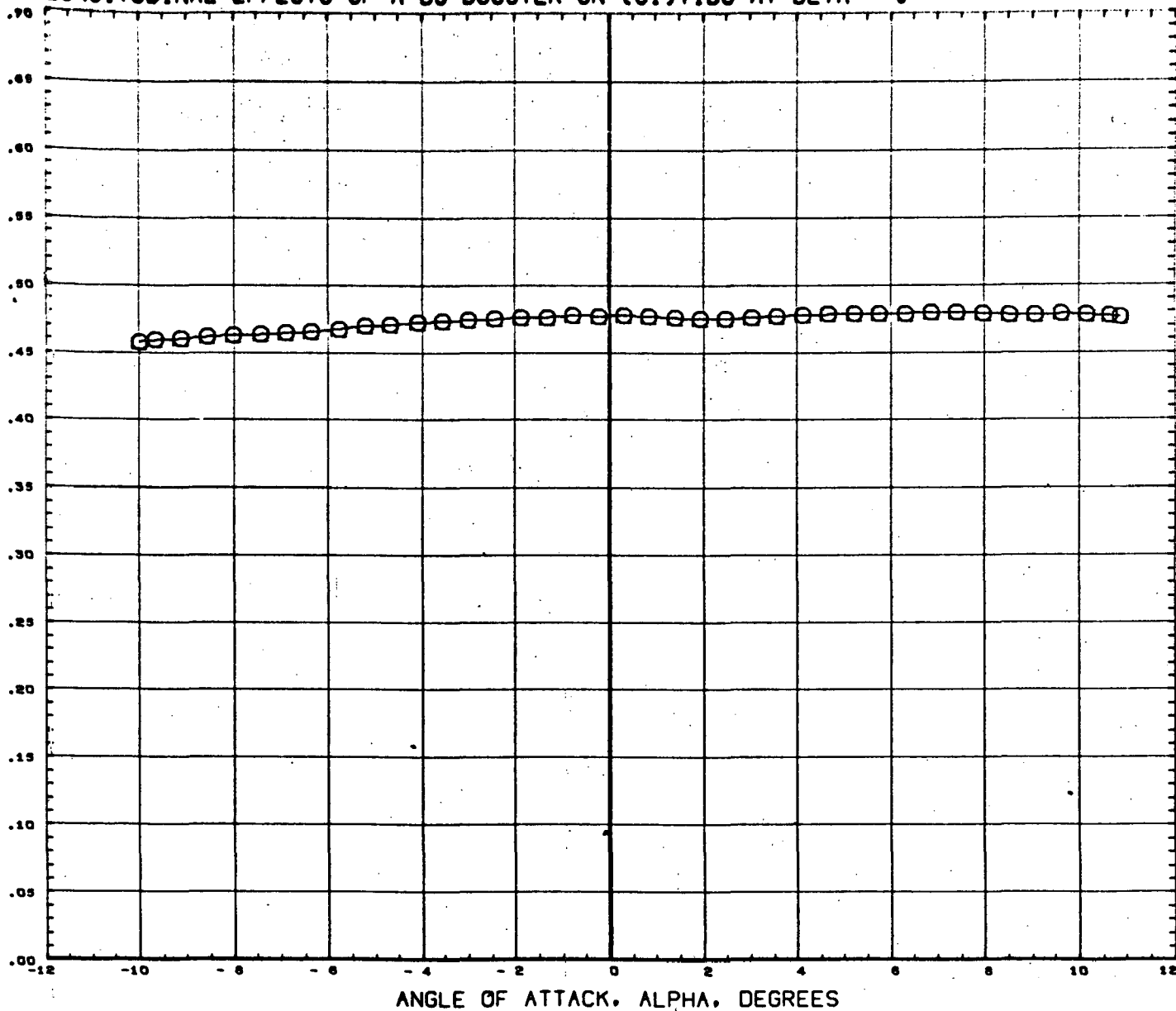
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07414)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07417)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

PAGE 474

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0

AXIAL FORCE COEFFICIENT, CA



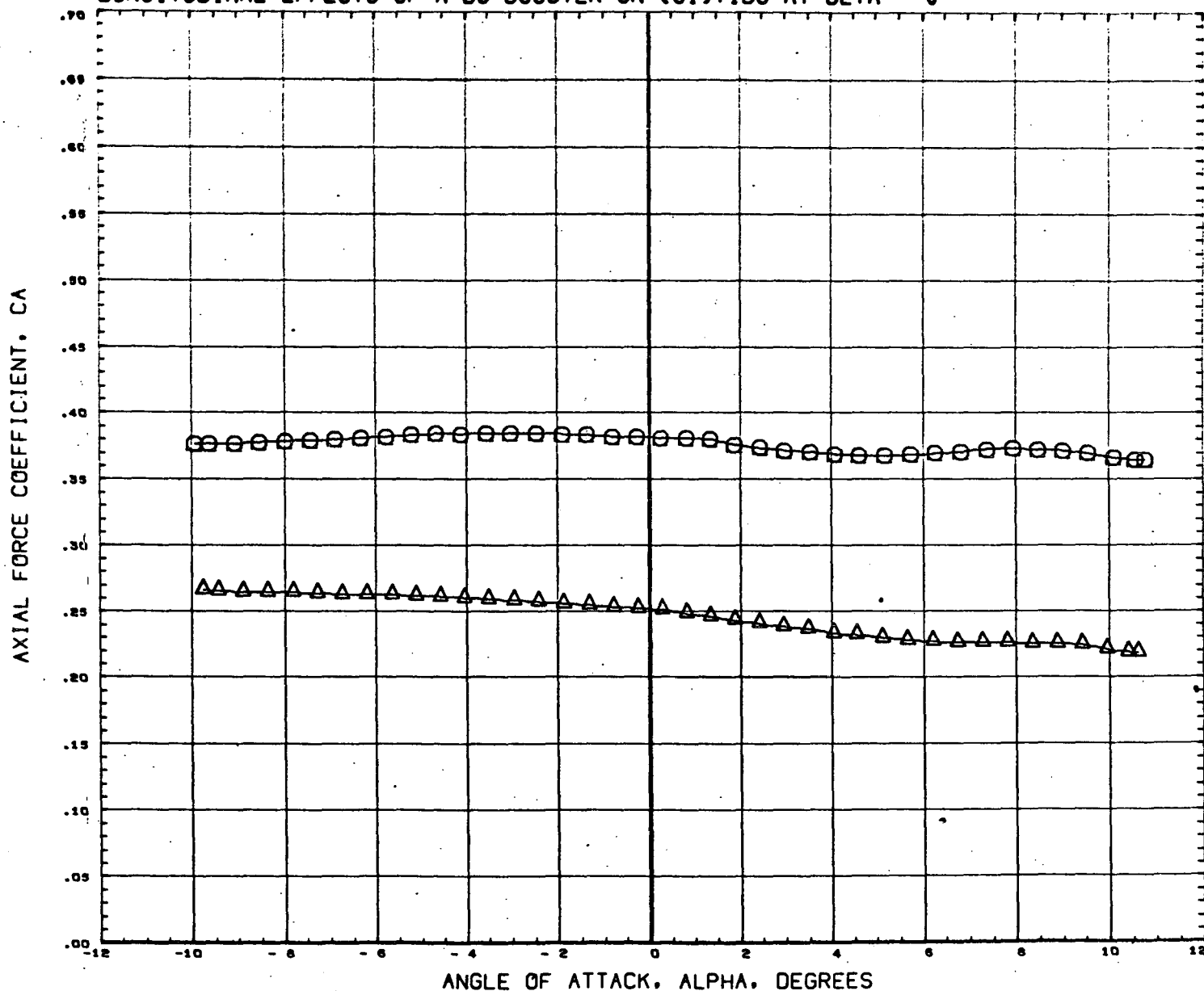
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7414)  $\Delta$  MDAC S-222 COMPOSITE (T-CG) (01)T1B3  
 (CD7417)  $\Delta$  DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	662.0004 IN.
				XMRP	357.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 475

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T1B3 AT BETA = 0



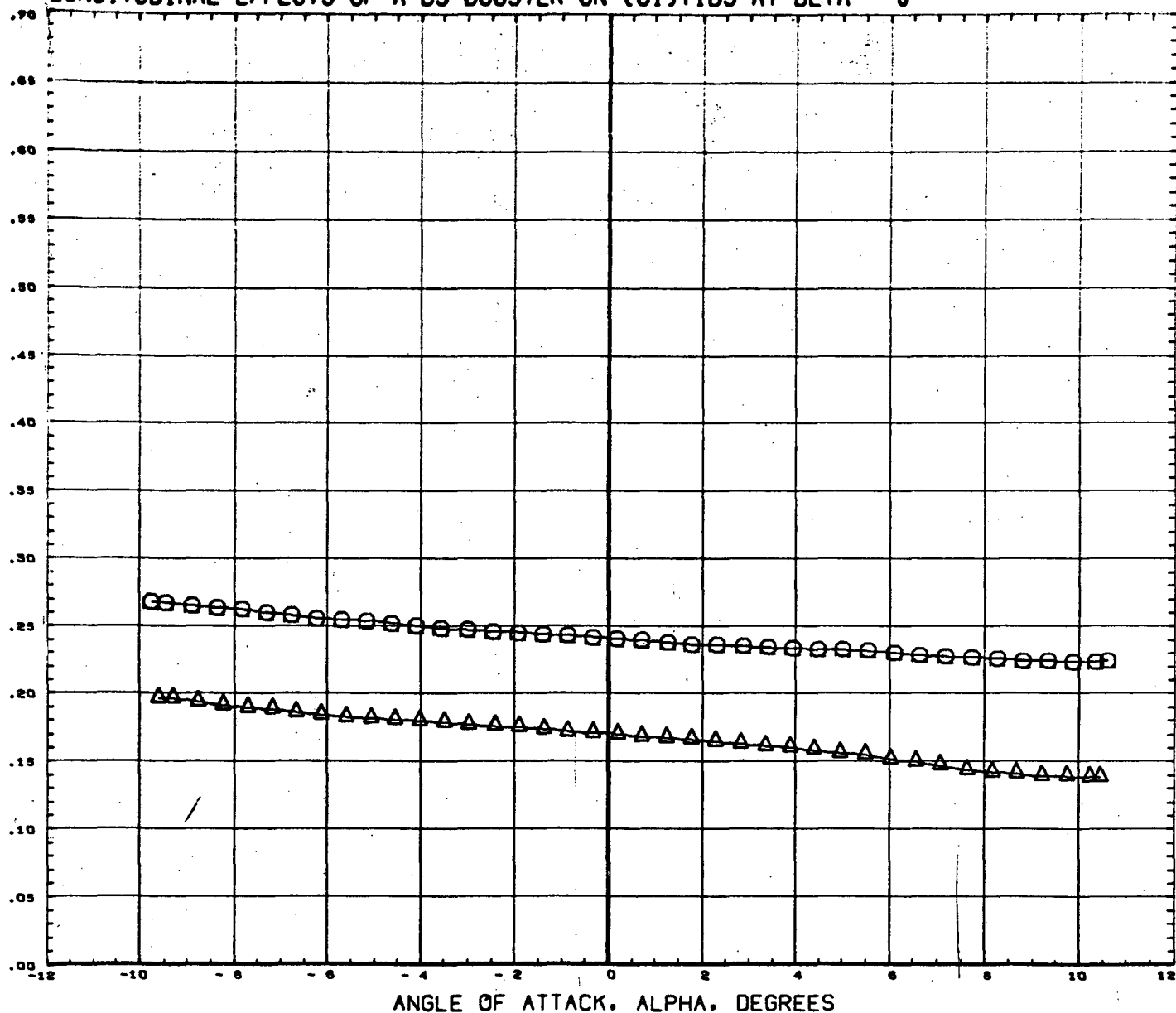
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7414)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7417)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 476

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T1B3 AT BETA = 0

AXIAL FORCE COEFFICIENT, CA



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7414)  MDAC S-222 COMPOSITE (T-CG) (O1)T1B3  
(CD7417)  MDAC S-222 COMPOSITE (T-CG) (O1)T1B3L (B3R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	809.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

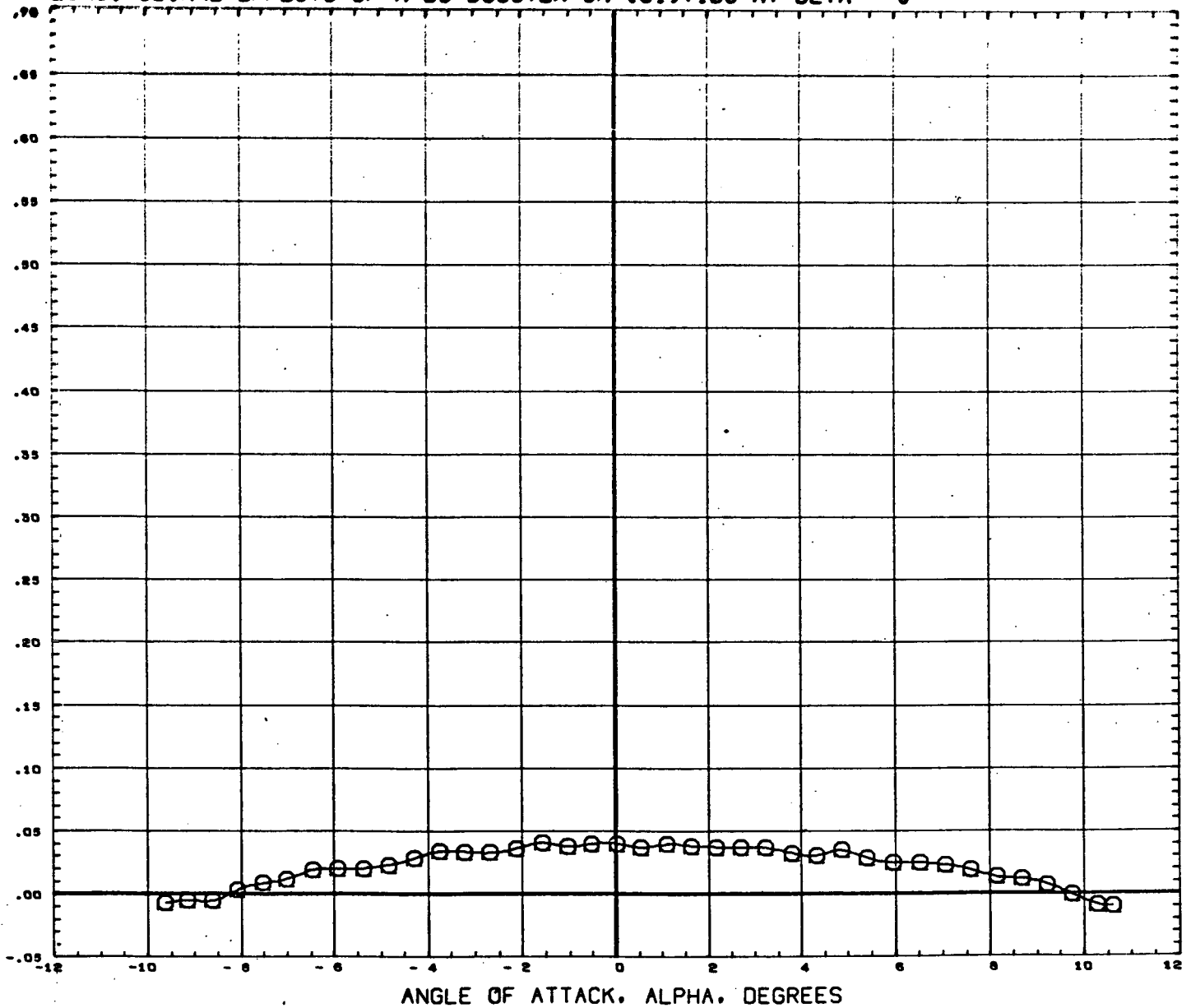
MACH

4.47

PAGE 477

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7414) MDAC S-222 COMPOSITE (T-CG) (01)T1B3  
 (CD7417) DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

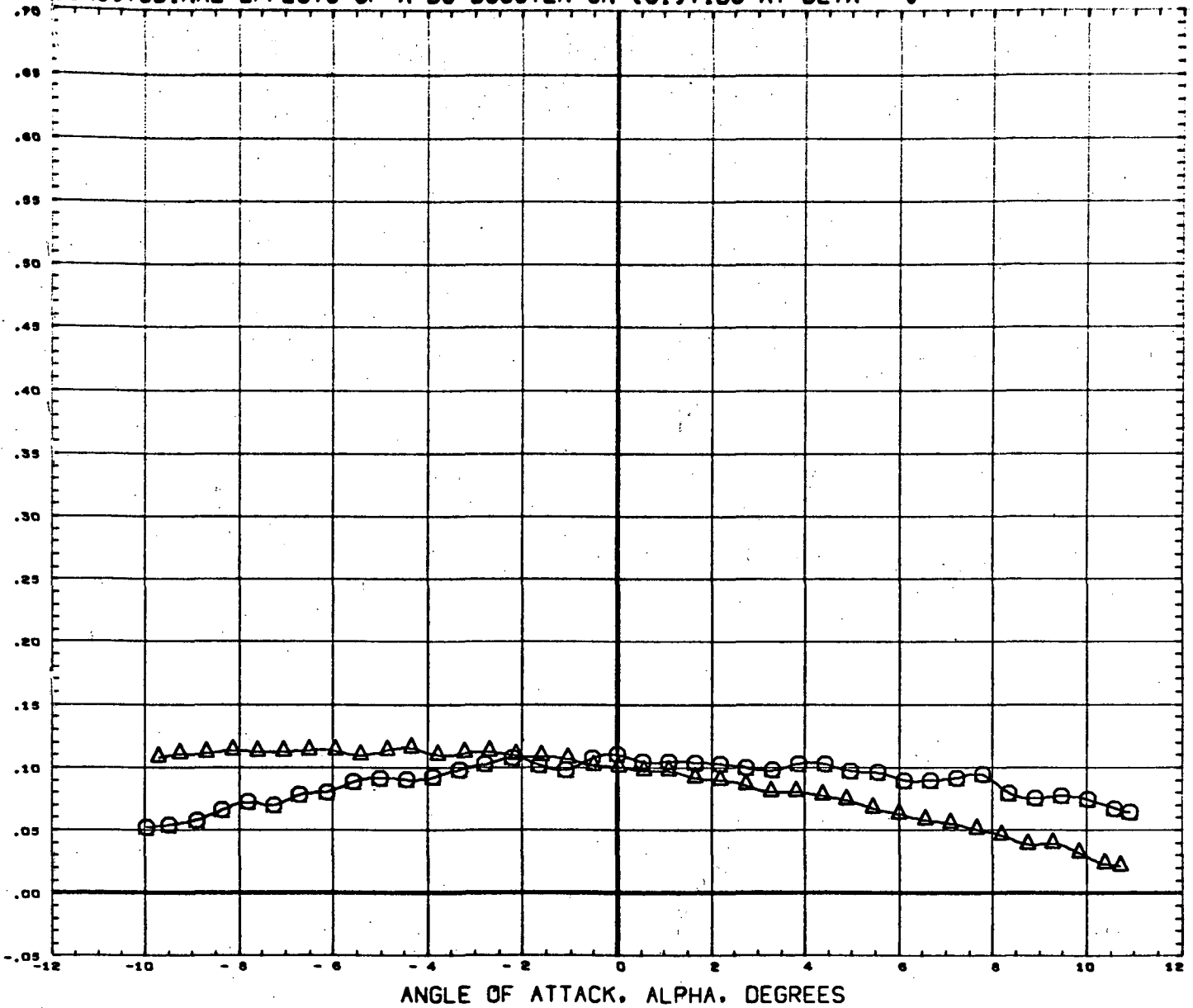
MACH .59

PAGE 478



# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T1B3 AT BETA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7414) MDAC S-222 COMPOSITE (T-CG) (O1)T1B3  
 (CD7417) MDAC S-222 COMPOSITE (T-CG) (O1)T1B3L (B3R)

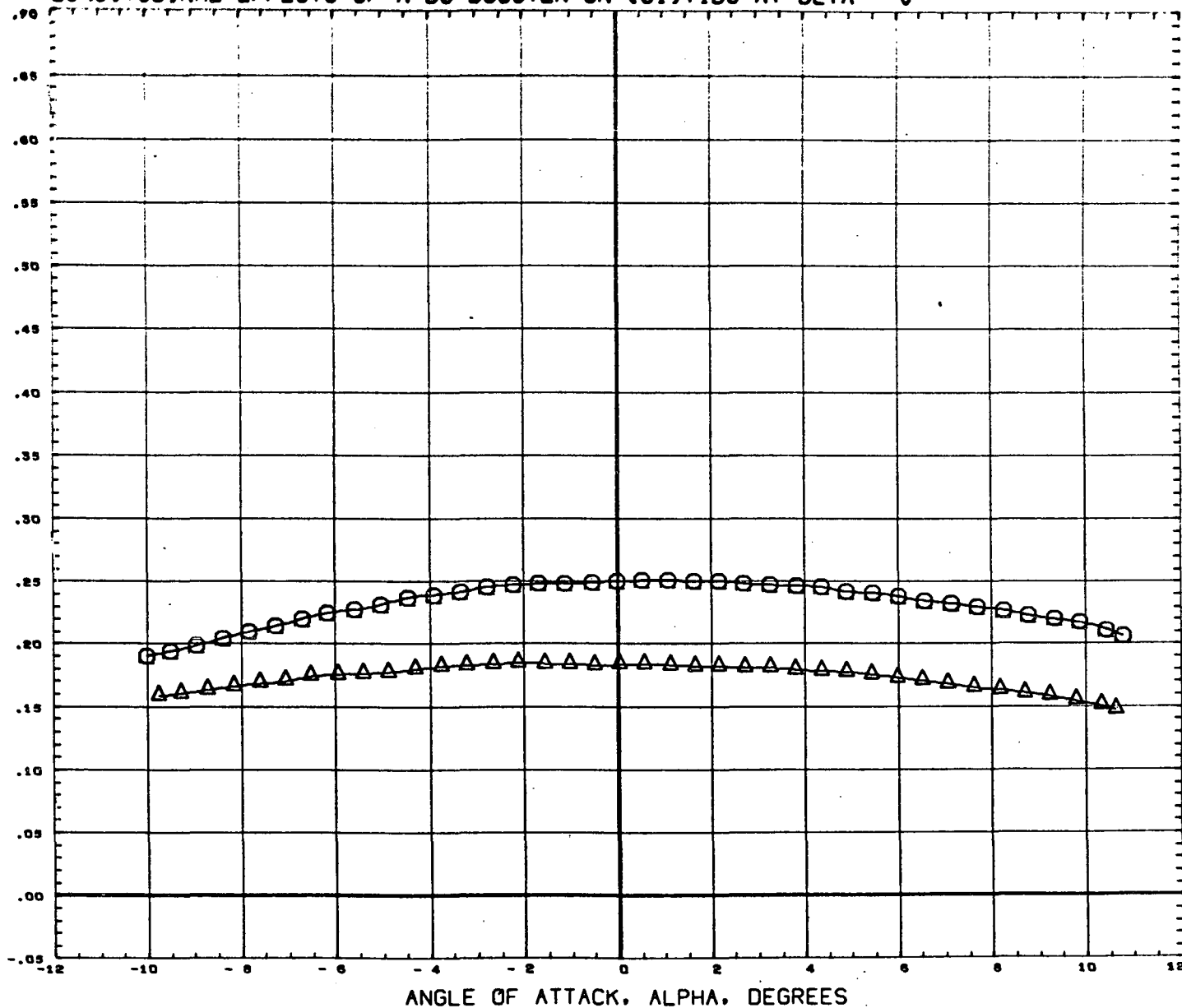
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	662.0004 IN.
				XMRF	557.0004 IN.
				YMRF	0.0000 IN.
				ZMRF	200.0004 IN.
				SCALE	0.0060

MACH .90

PAGE 479

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T1B3 AT BETA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF



ANGLE OF ATTACK, ALPHA, DEGREES

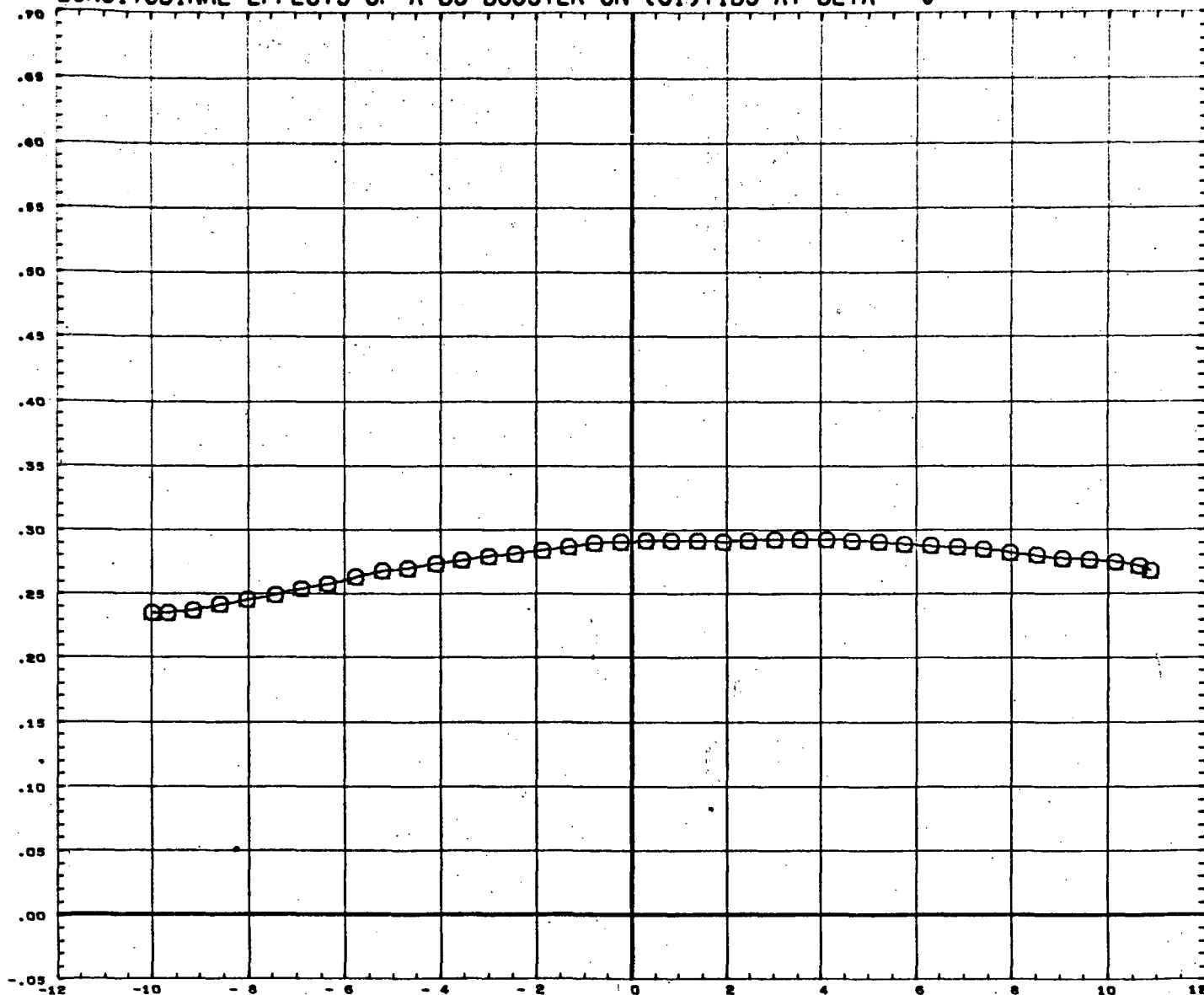
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7414)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7417)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

PAGE 480

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL: CONFIGURATION DESCRIPTION

(CD7414) MDAC S-222 COMPOSITE (T-CG) (01)T1B3  
(CD7417) DATA NOT AVAILABLE FOR ALL CONDITIONS

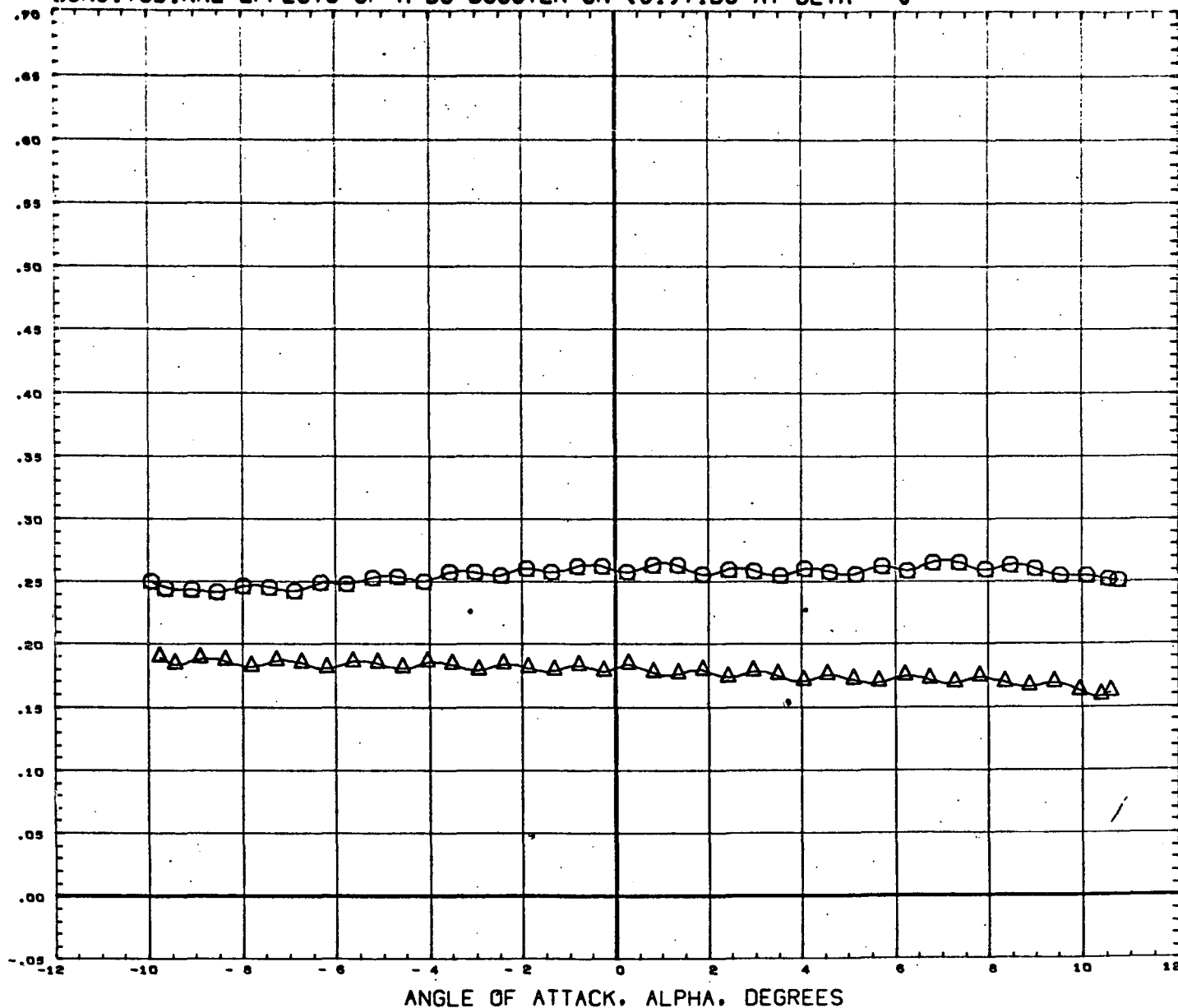
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	662.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 481

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T1B3 AT BETA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF



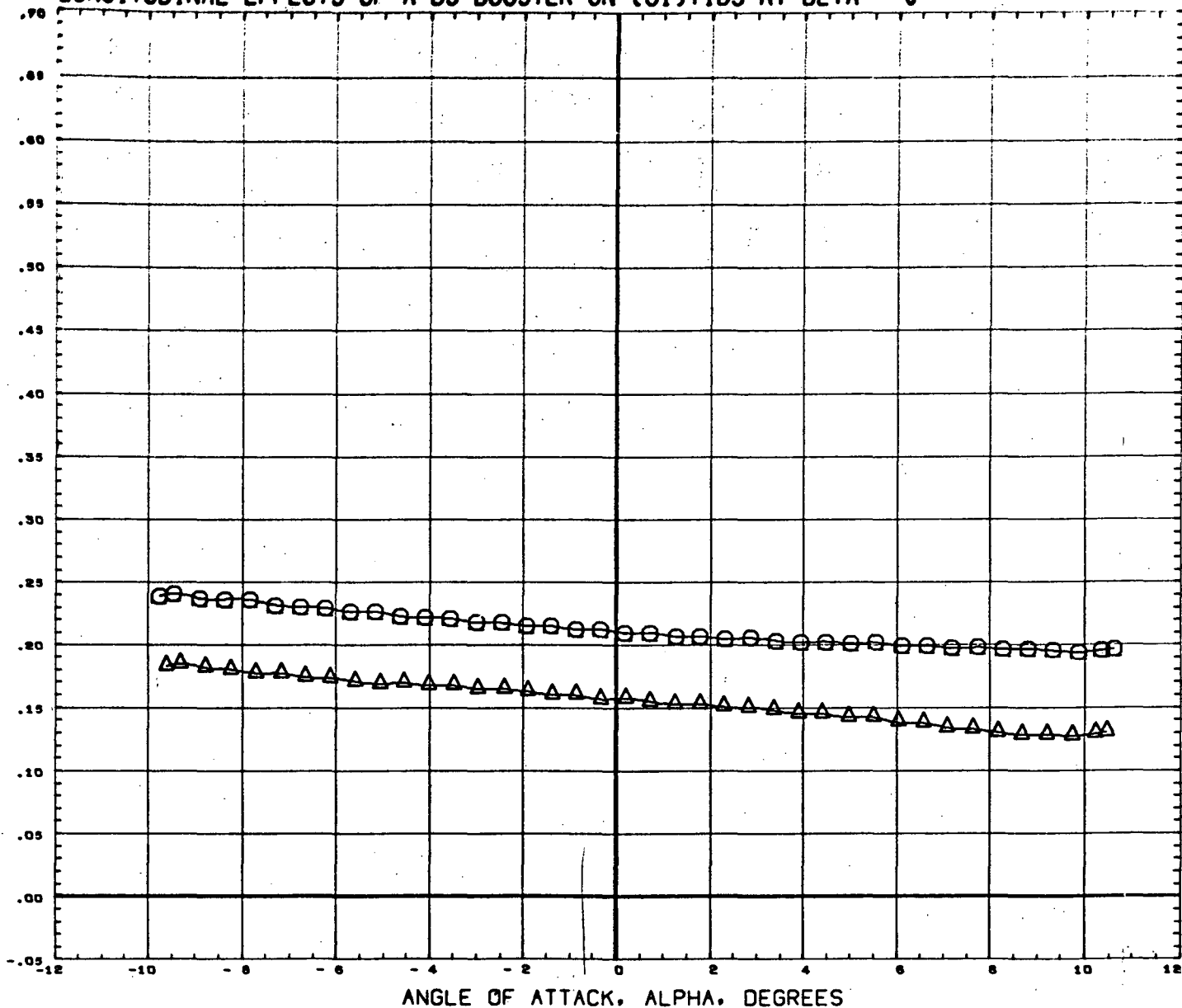
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7414)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7417)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	662.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 482

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T1B3 AT BETA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF



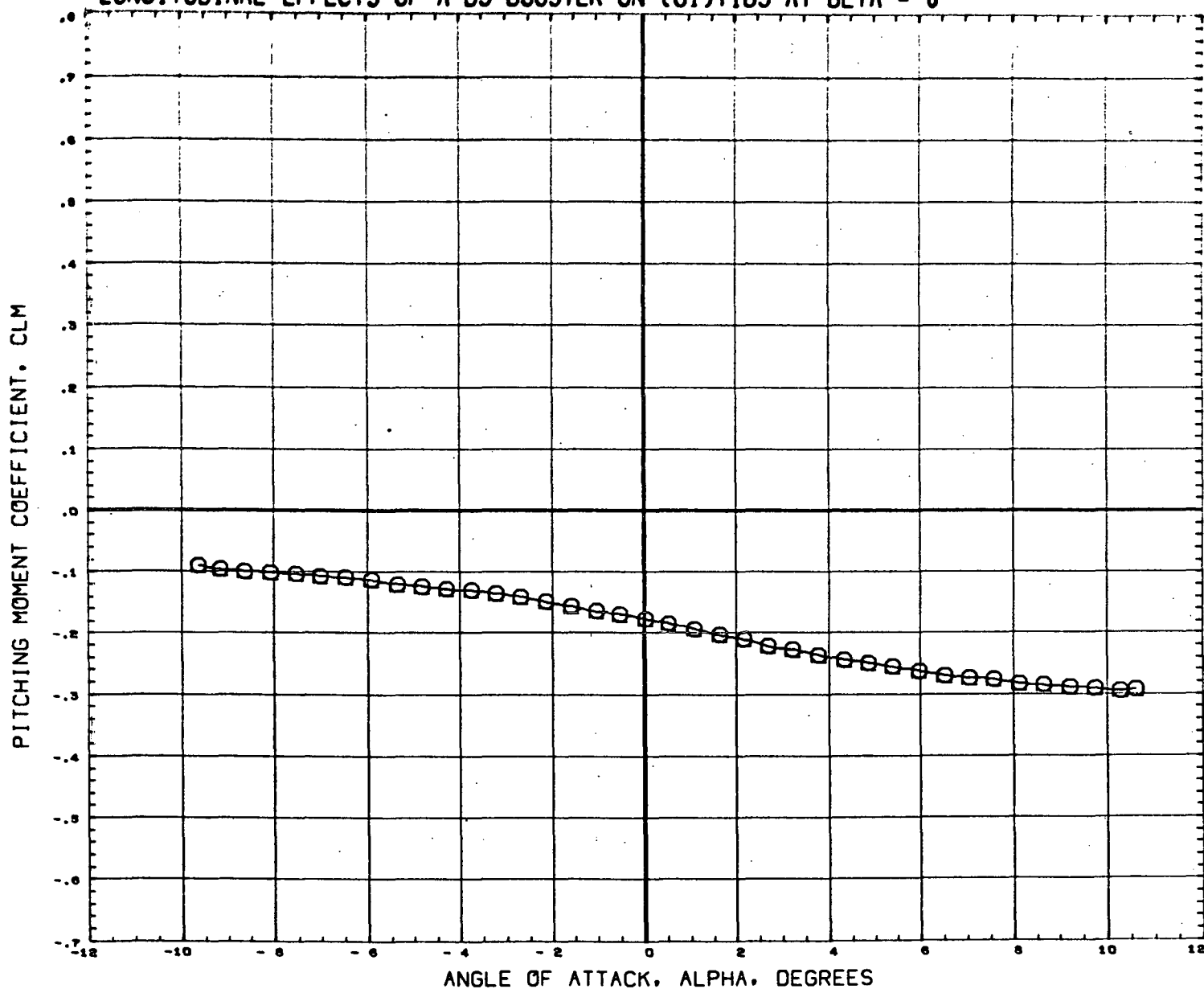
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7414)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7417)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH

4.47

PAGE 483

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T1B3 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7414) MDAC S-222 COMPOSITE (T-CG) (O1)T1B3  
 (CD7417) DATA NOT AVAILABLE FOR ALL CONDITIONS

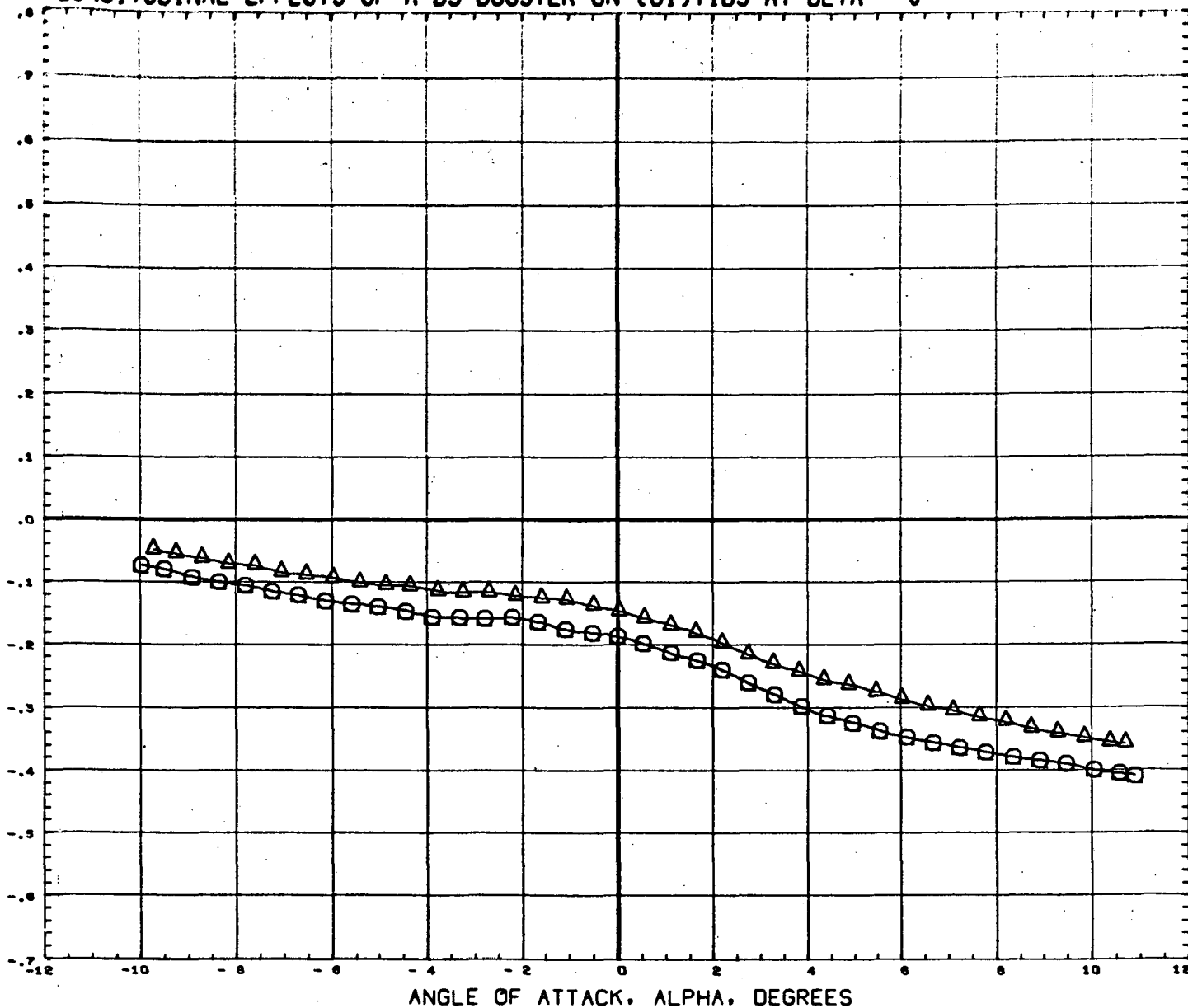
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .59

PAGE 484

# LONGITUDINAL EFFECTS OF A 63 BOOSTER ON (01)T183 AT BETA = 0

PITCHING MOMENT COEFFICIENT, CLM



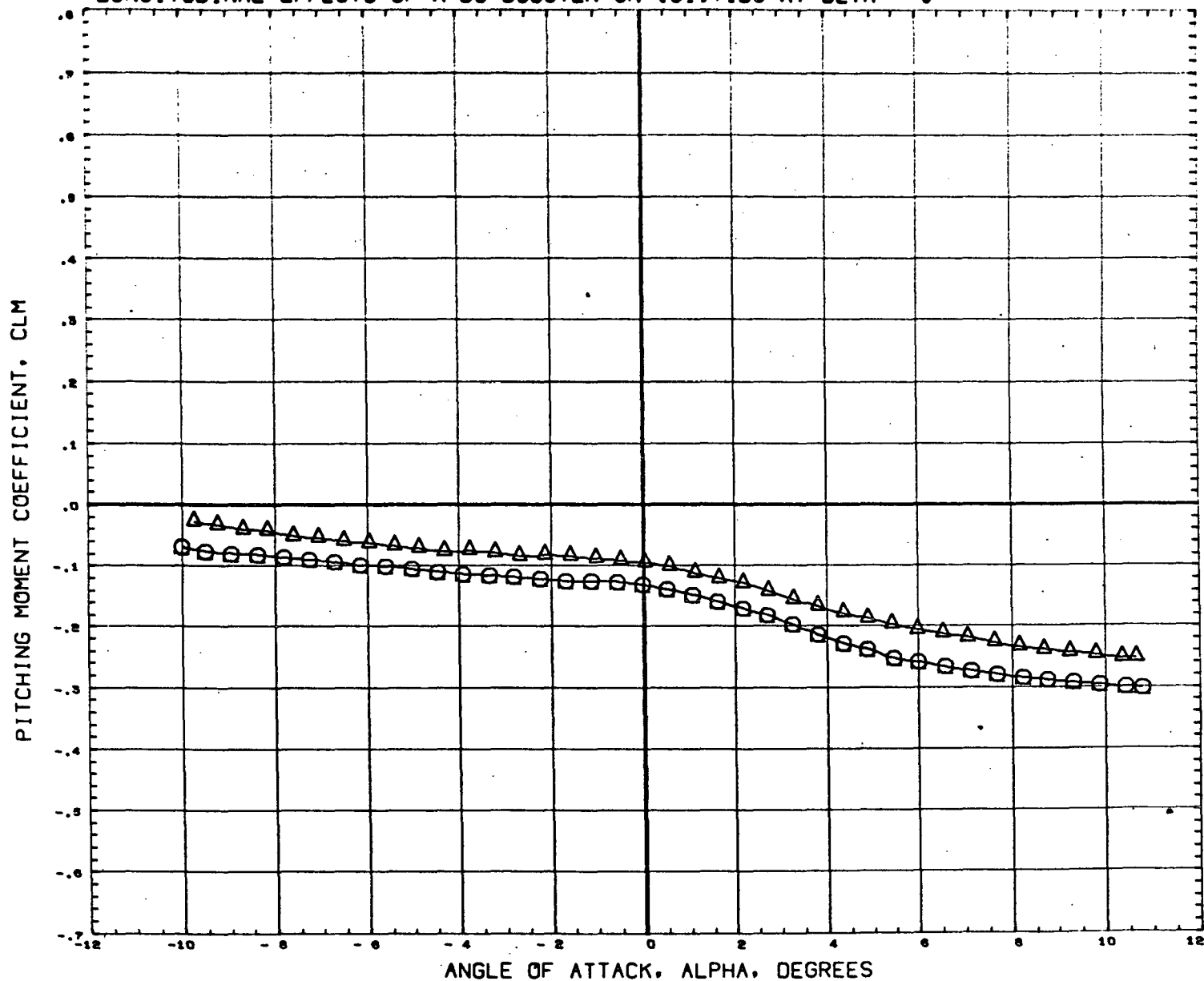
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7414)	MDAC S-222 COMPOSITE (T-C6) (01) T183
(CD7417)	MDAC S-222 COMPOSITE (T-C6) (01) T183L (B3R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	662.0004	IN.
				XMRF	557.0004	IN.
				YMRF	0.0000	IN.
				ZMRF	200.0004	IN.
				SCALE	0.0060	

MACH .90

PAGE 485

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T1B3 AT BETA = 0



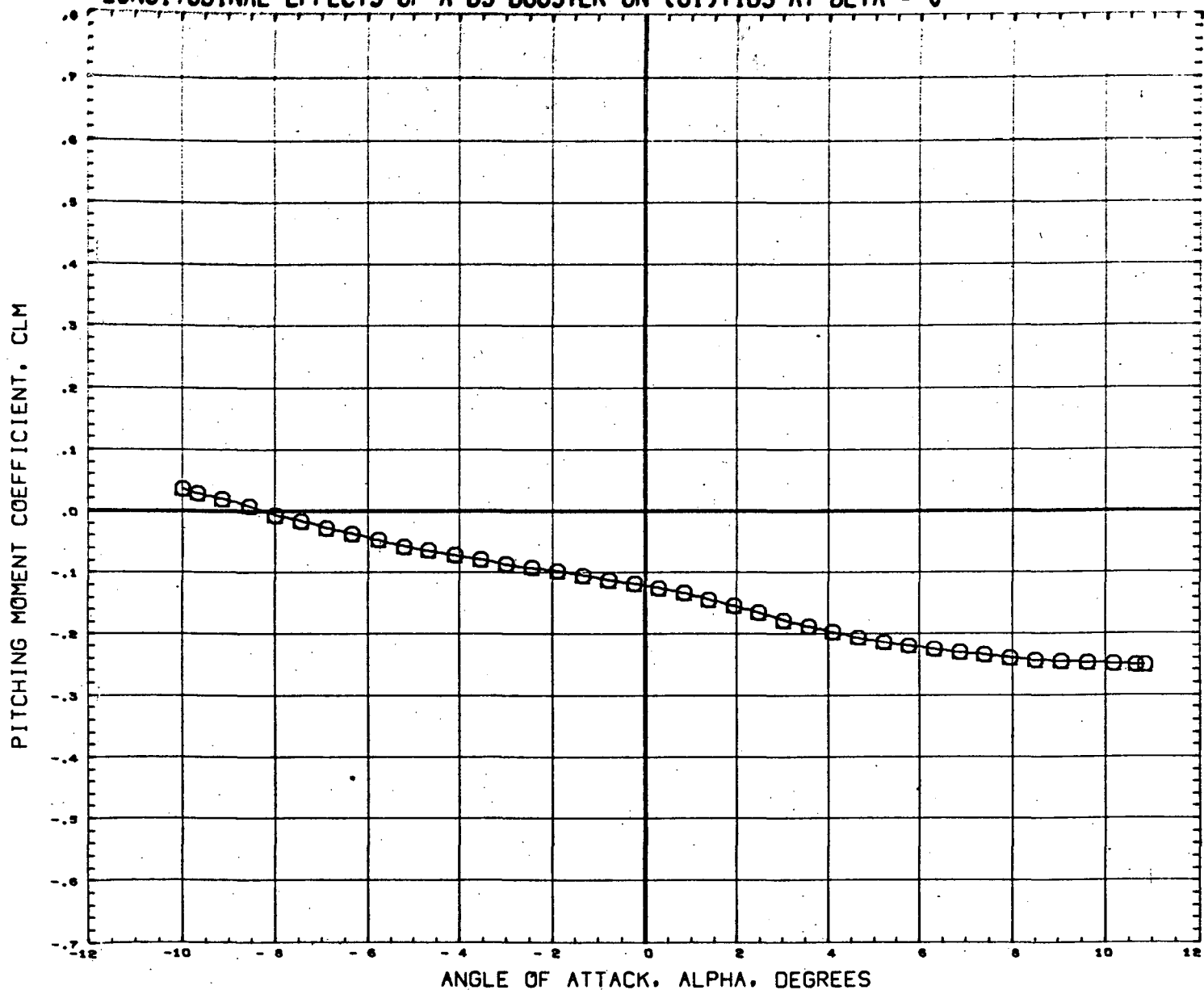
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7414)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7417)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRF	537.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH 1.10

PAGE 486



# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0



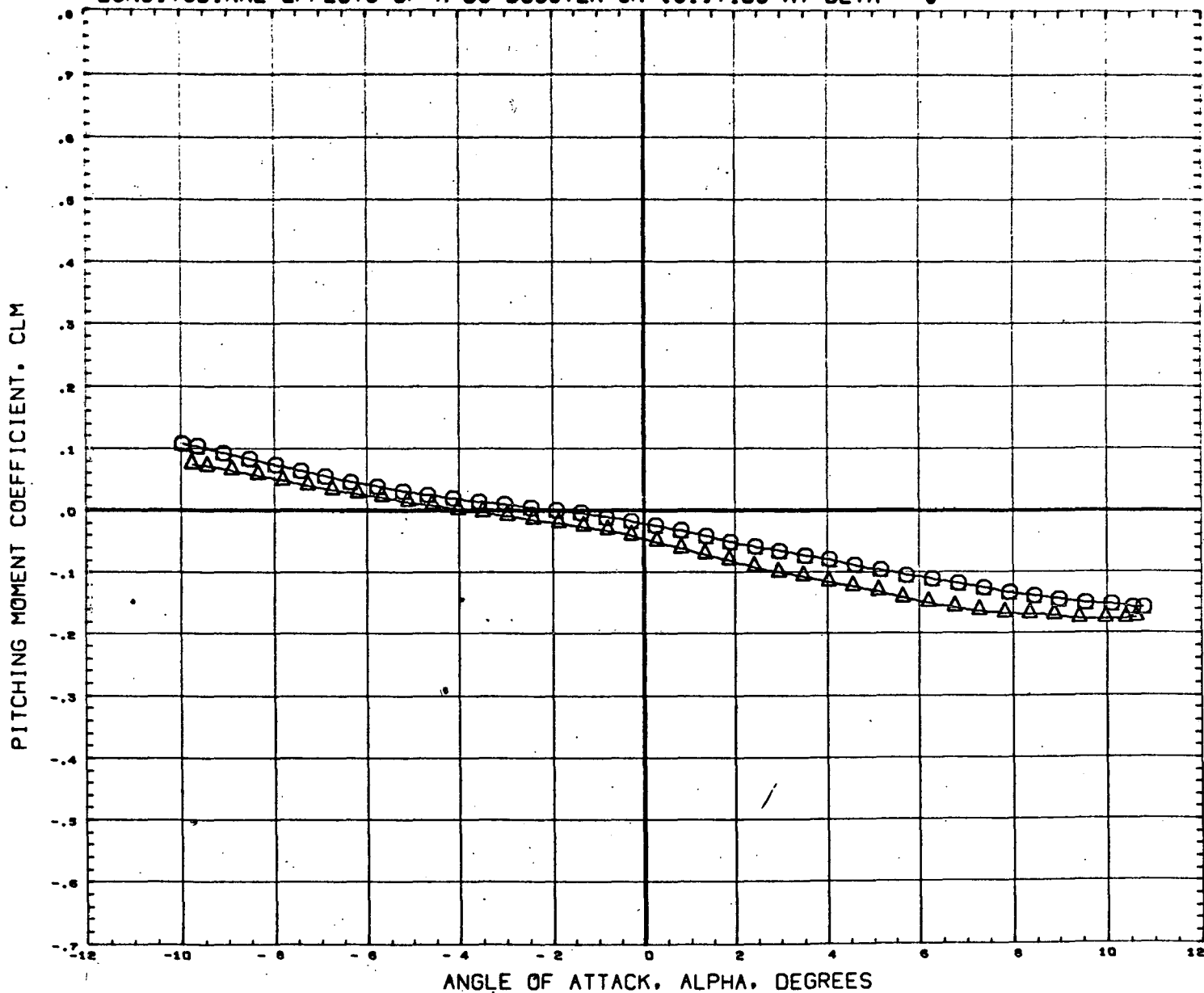
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7414)  MDAC S-222 COMPOSITE (T-CG) (01)T1B3  
 (CD7417) DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.9004 IN.
				BREF	662.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 487

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0

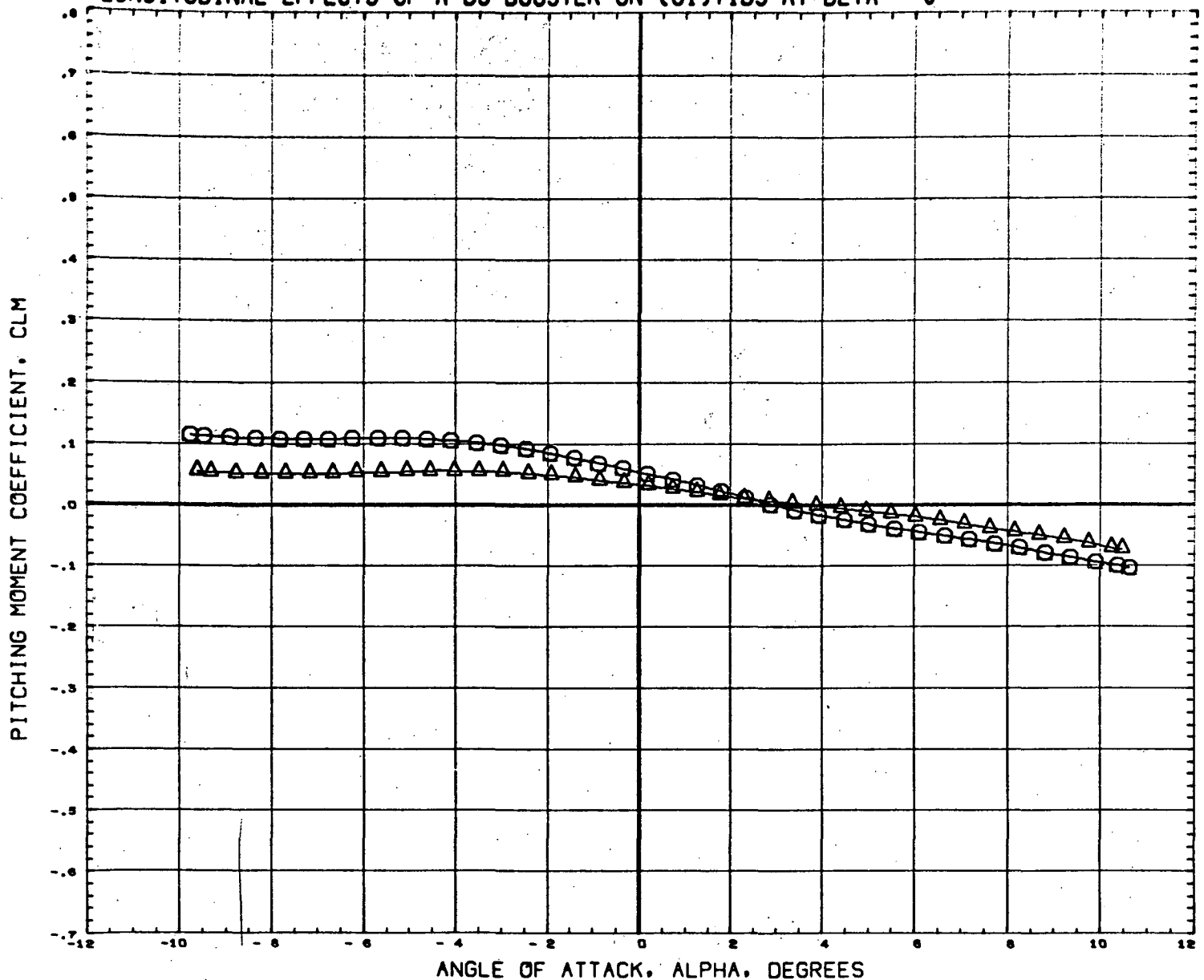


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7414)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7417)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 488

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T183 AT BETA = 0

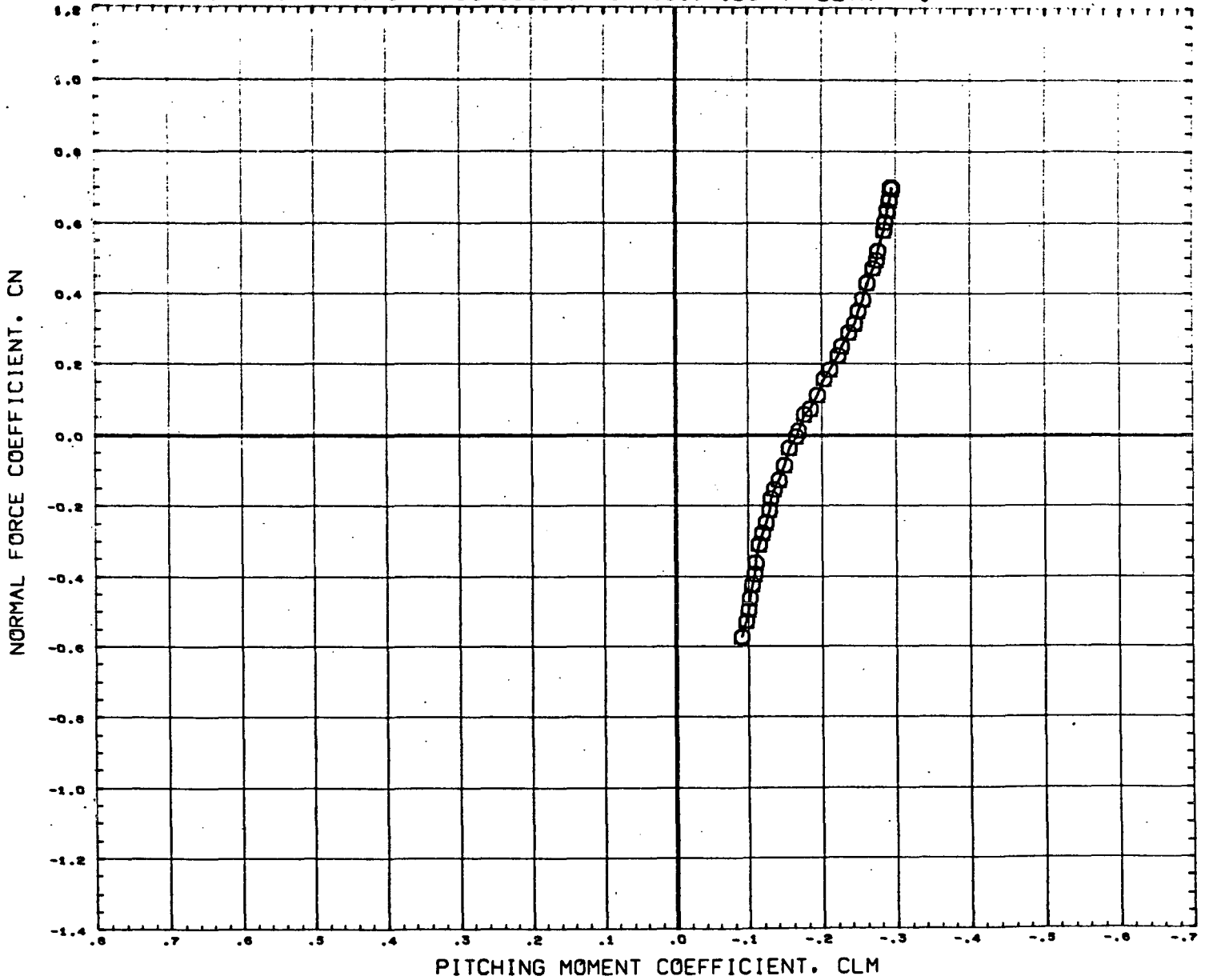


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7414)	MDAC S-222 COMPOSITE (T-CG) (01) T183	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7417)	MDAC S-222 COMPOSITE (T-CG) (01) T183L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	662.0004 IN.
						YMRP	557.0004 IN.
						ZMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 489

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0



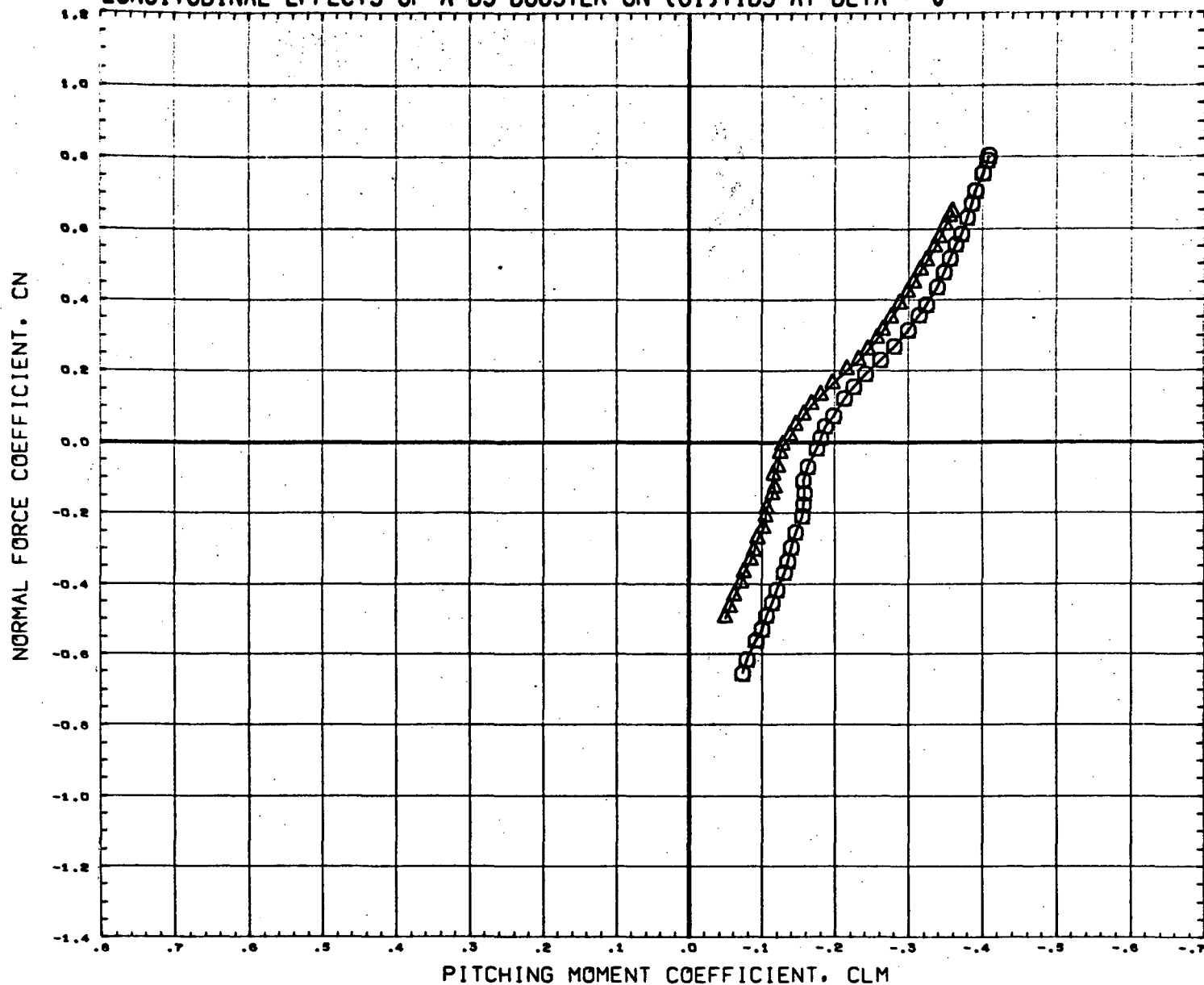
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7414) Q MDAC S-222 COMPOSITE (T-CG) (01)T1B3  
 (CD7417) DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	537.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .59

PAGE 490

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T1B3 AT BETA = 0



PITCHING MOMENT COEFFICIENT, CLM

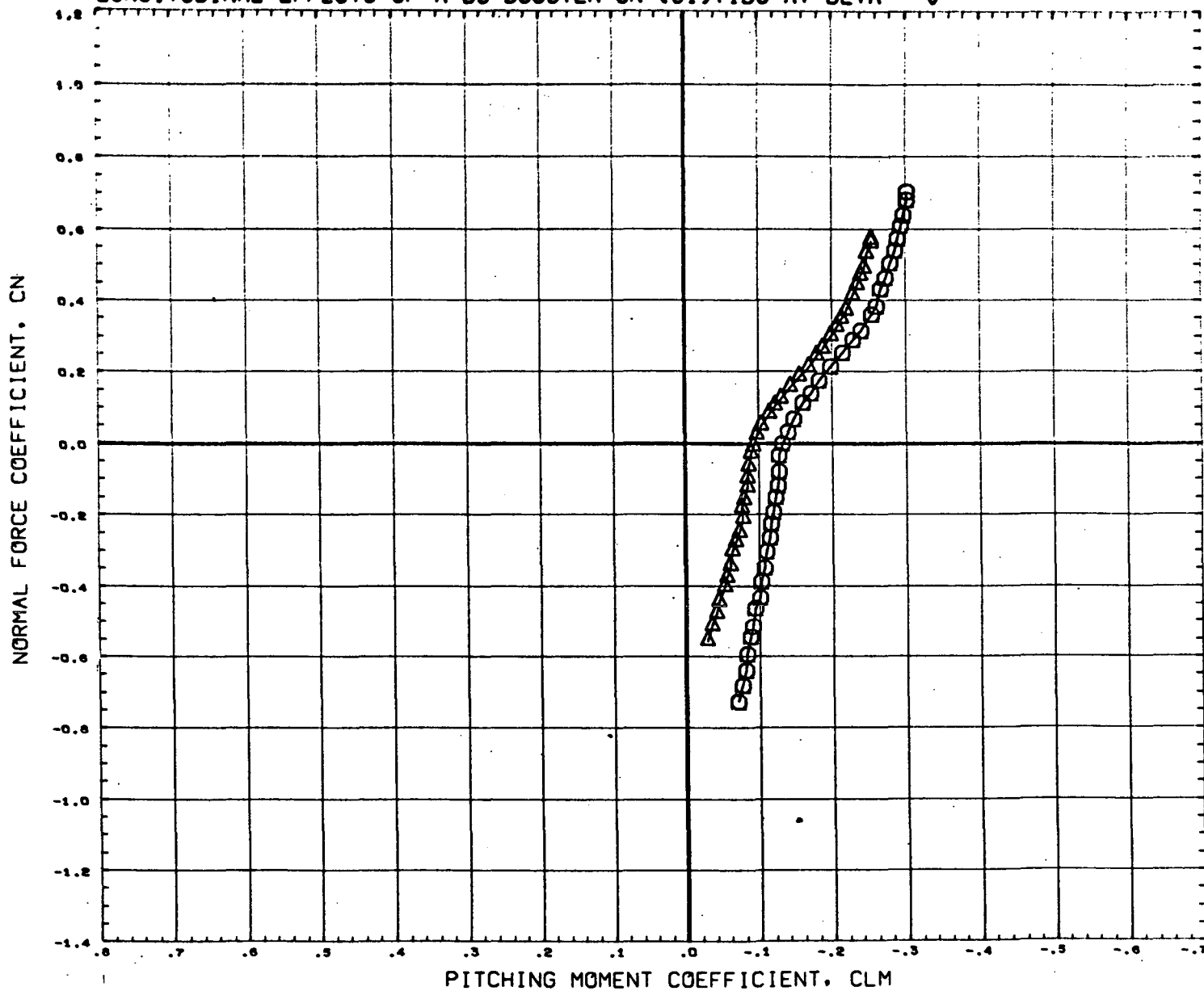
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07414)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07417)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0080

MACH

.90

PAGE 491

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0

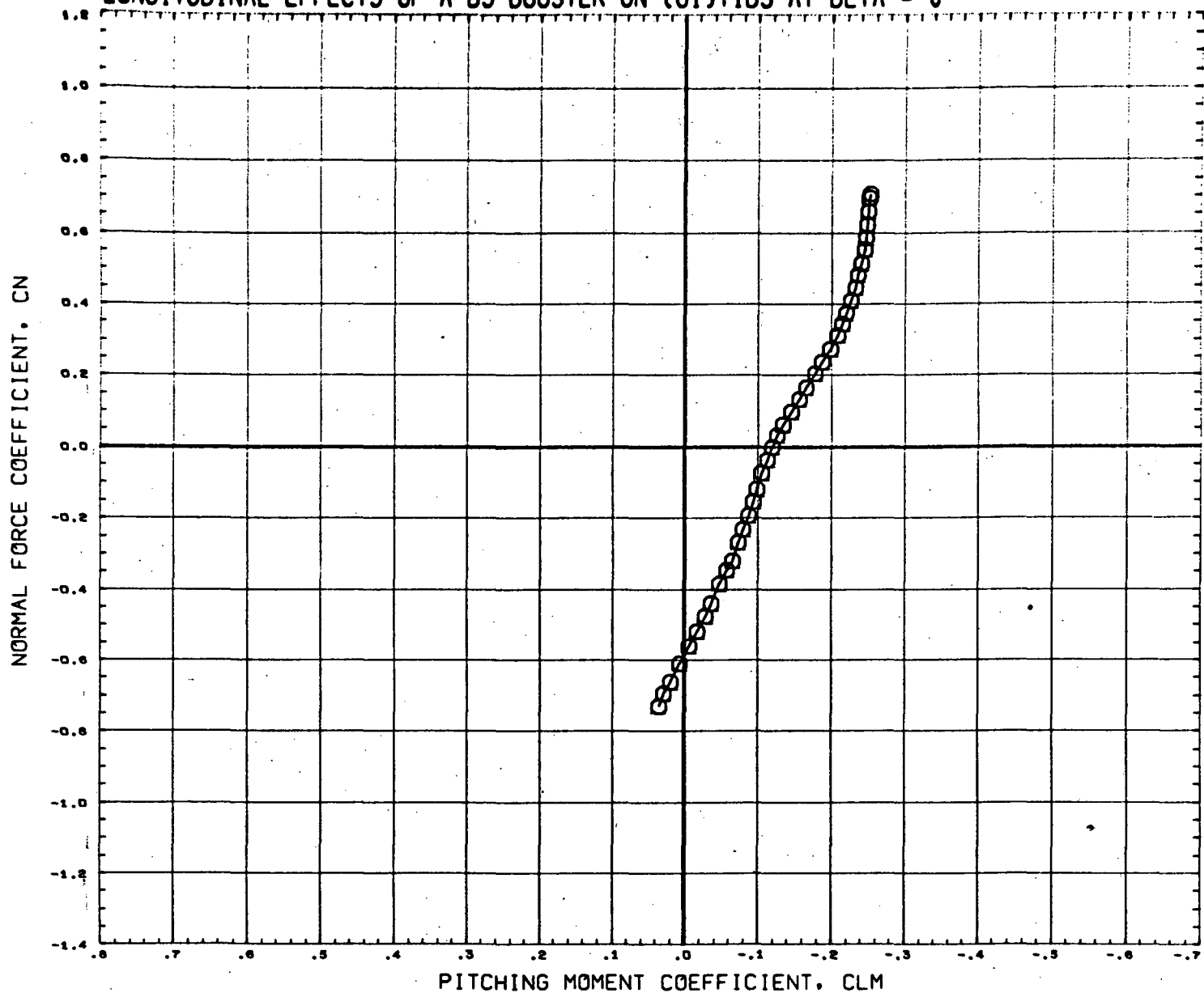


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7414)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7417)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

PAGE 492

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0



DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7414)    Q    MDAC S-222 COMPOSITE (T-CG) (01)T1B3  
 (CD7417)    Δ    DATA NOT AVAILABLE FOR ALL CONDITIONS

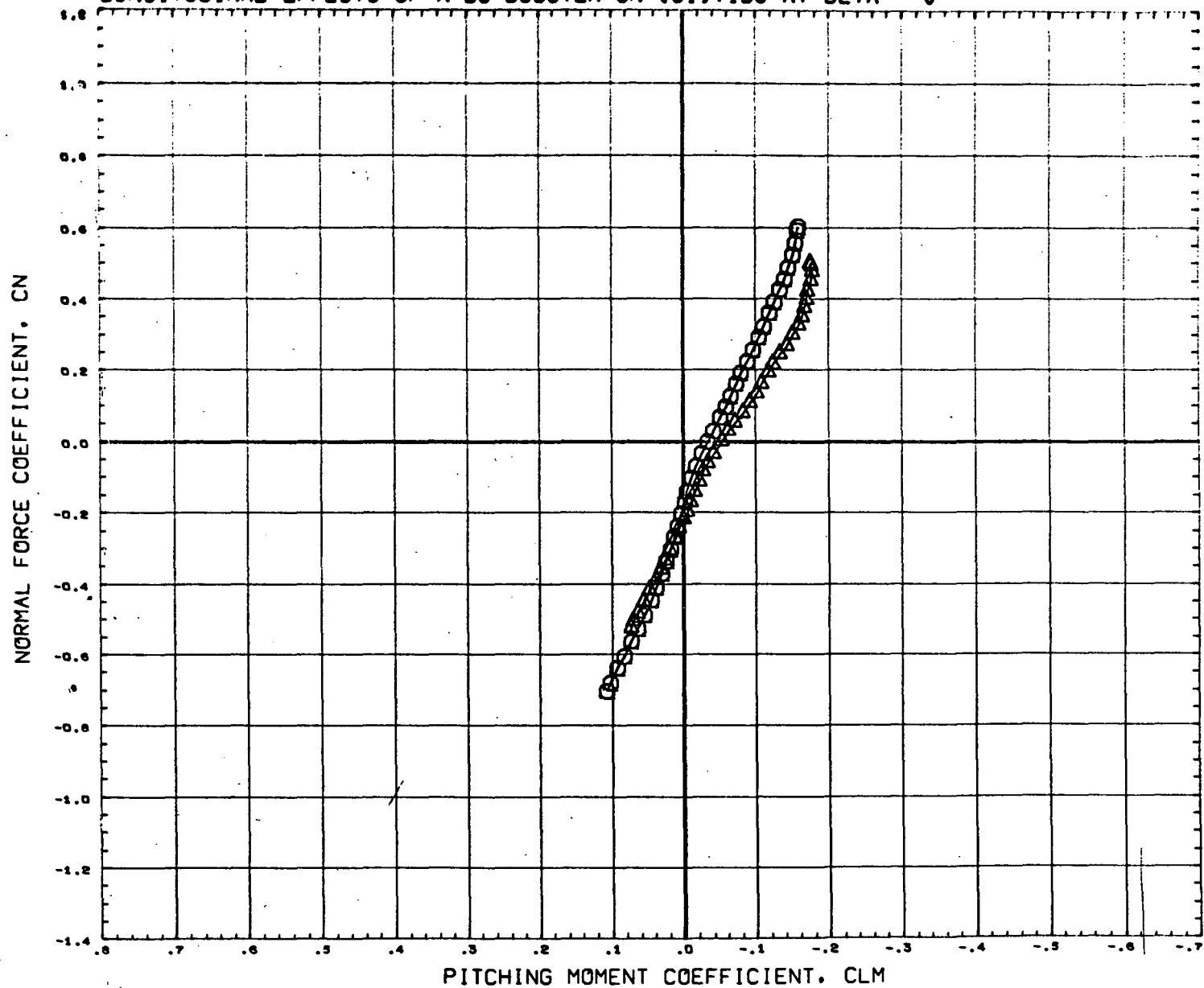
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH

1.51

PAGE 493

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T1B3 AT BETA = 0



DATA SET SYMBOL		CONFIGURATION DESCRIPTION		BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07414)	Q	MDAC S-222 COMPOSITE (T-CG)	(O1) T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 S2.FT.
(C07417)	Q	MDAC S-222 COMPOSITE (T-CG)	(O1) T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
								BREF	862.0004 IN.
								XMRP	557.0004 IN.
								YMRP	0.0000 IN.
								ZMRP	200.0004 IN.
								SCALE	0.0060

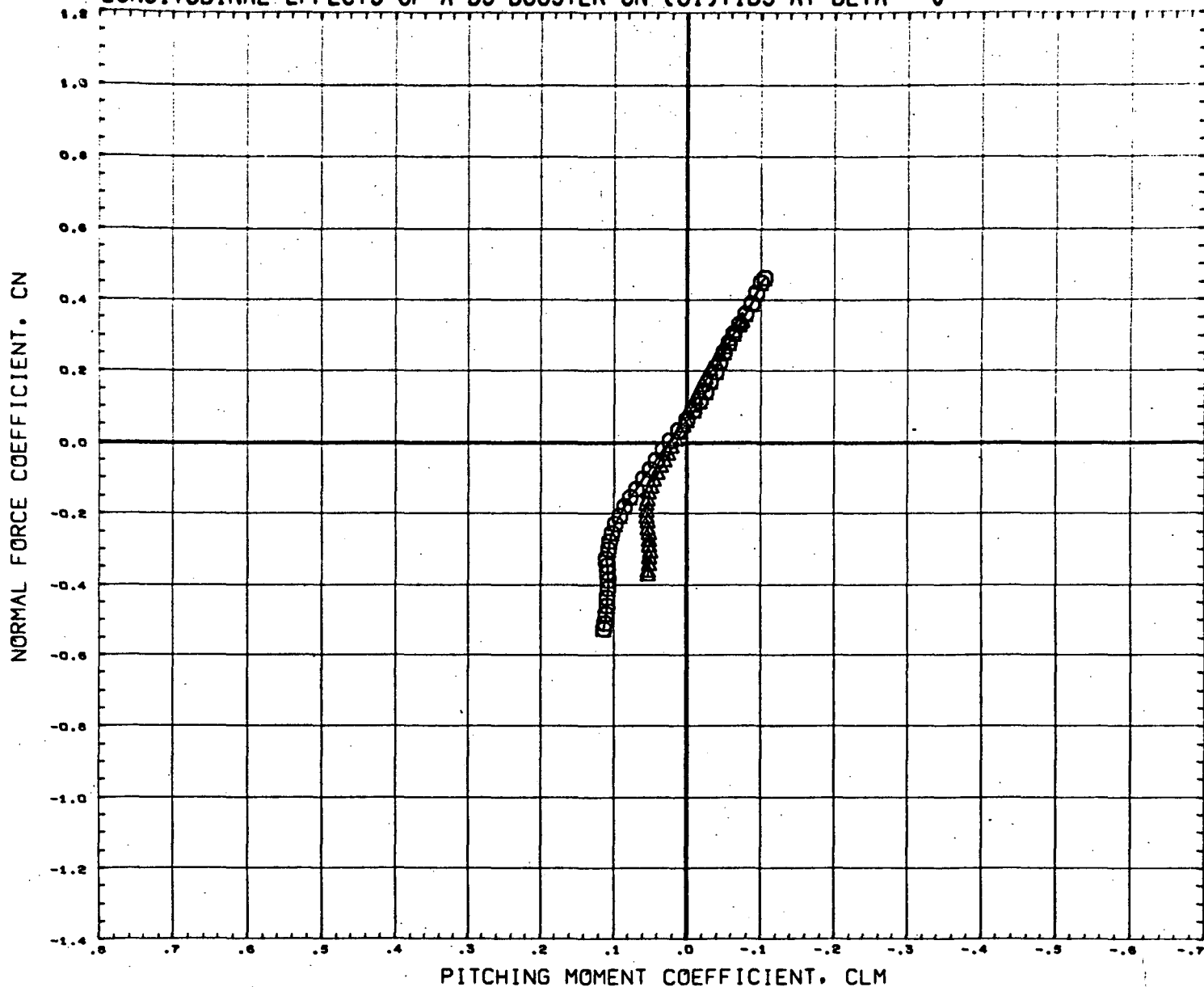
MACH

2.20

PAGE 494



# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T1B3 AT BETA = 0



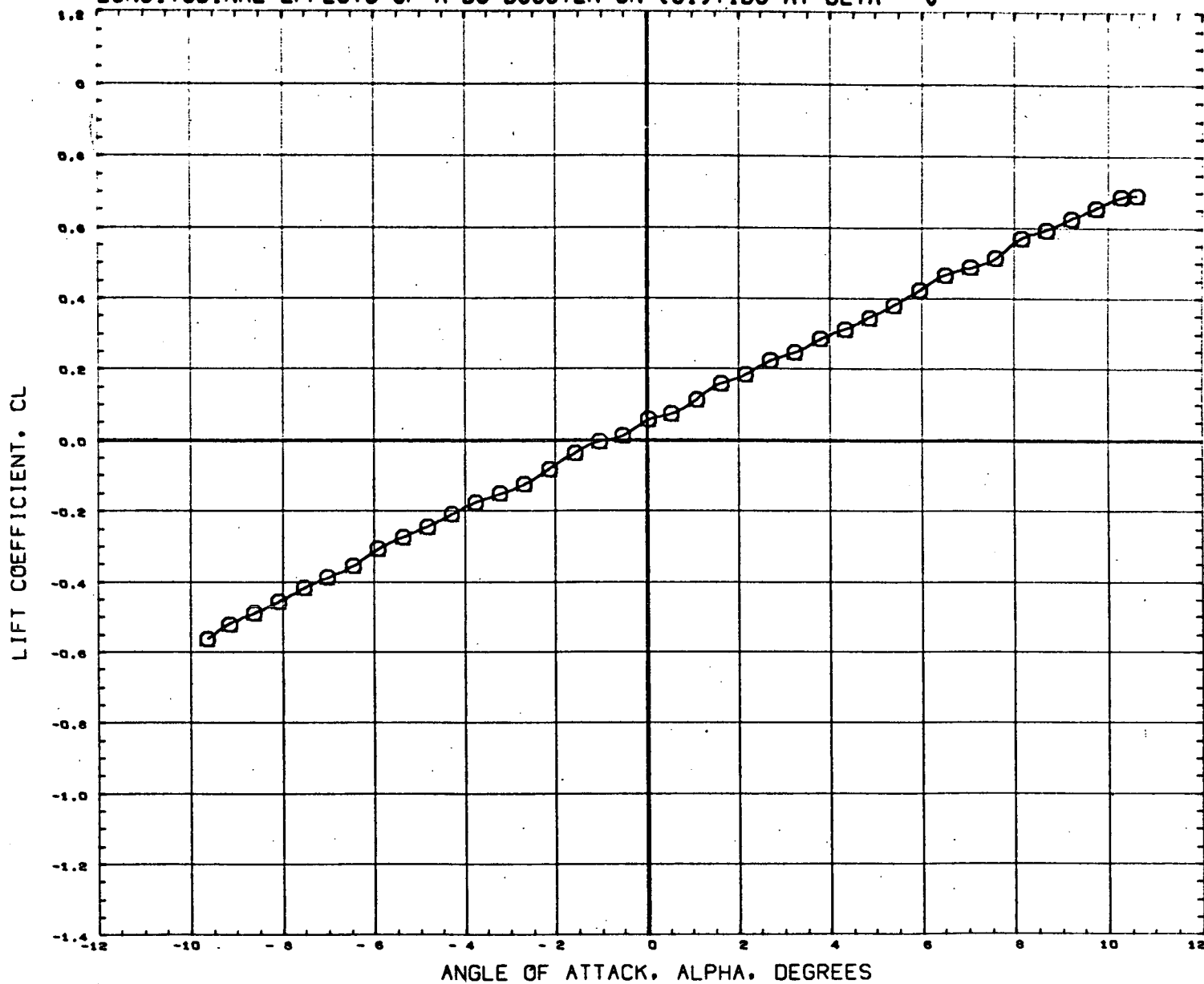
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	ATLRON	RUDDER	REFERENCE INFORMATION	
(CD7414)	NDAC S-222 COMPOSITE (T-CG) (O1)T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7417)	NDAC S-222 COMPOSITE (T-CG) (O1)T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060



MACH

4.47

PAGE 495

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0



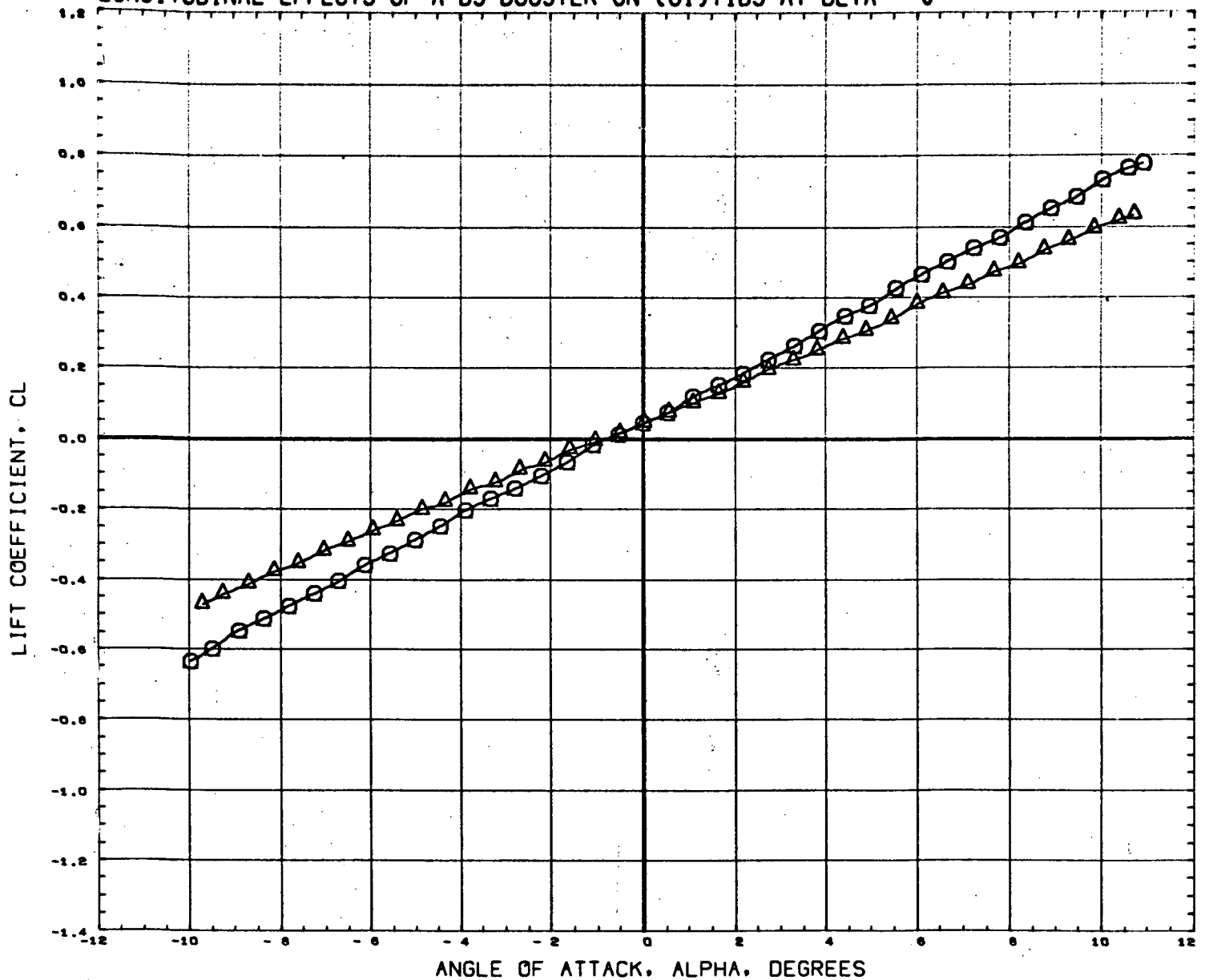
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7414)  MDAC S-222 COMPOSITE (T-CG) (01)T1B3  
 (CD7417)  DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0080

MACH .59

PAGE 496

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0

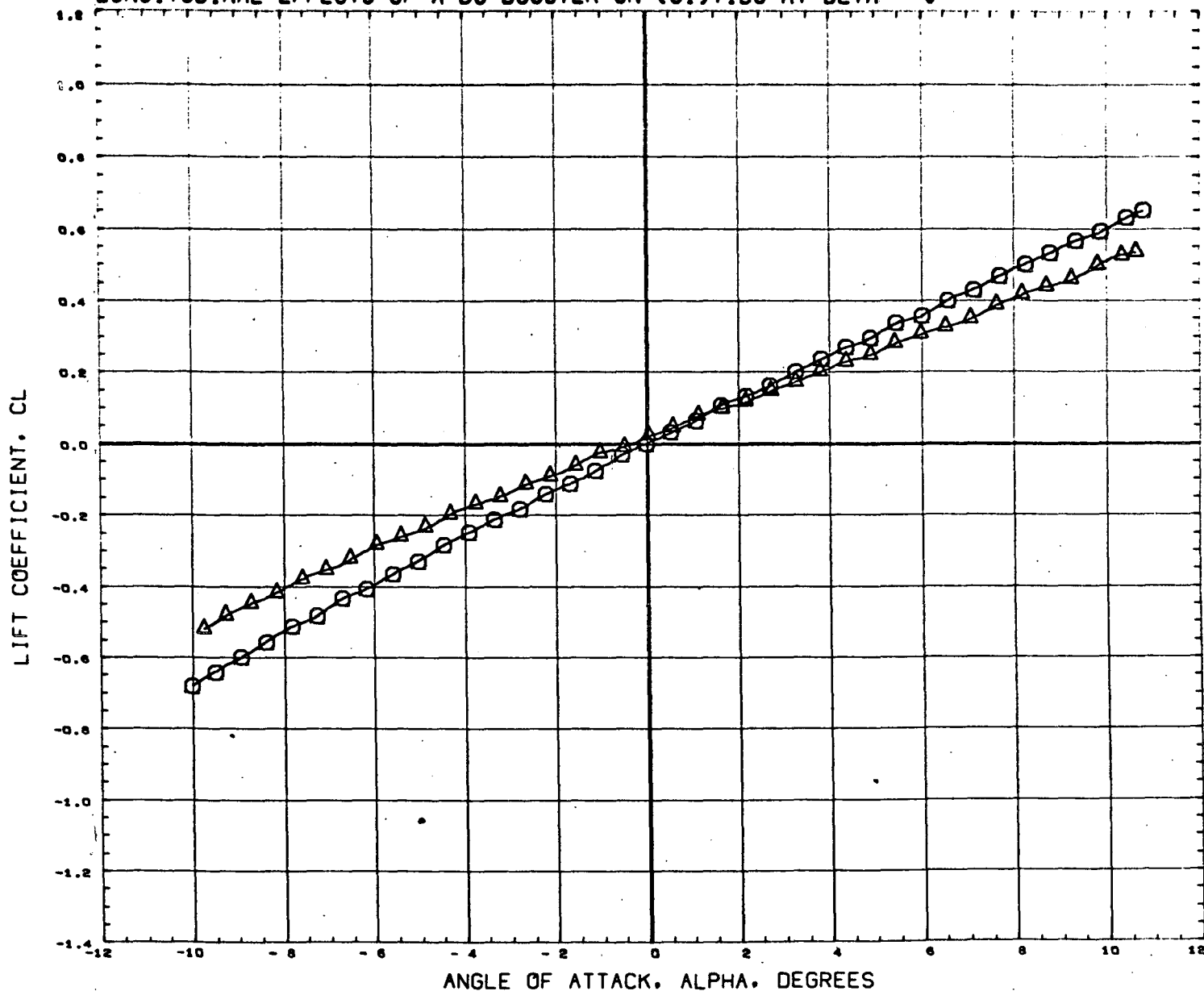


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07414)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07417)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 497

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T1B3 AT BETA = 0

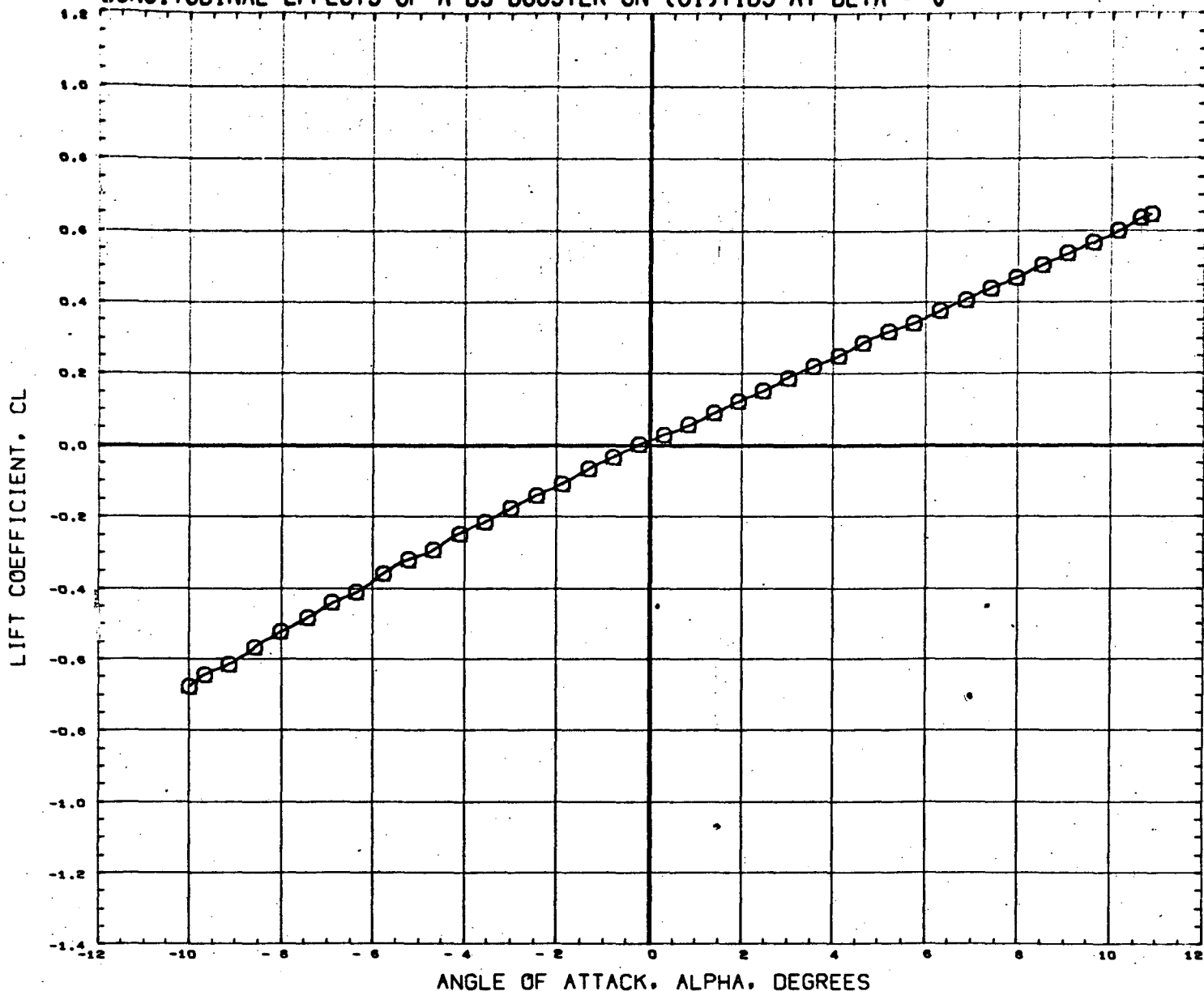


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7414)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7417)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.3004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

PAGE 498

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0



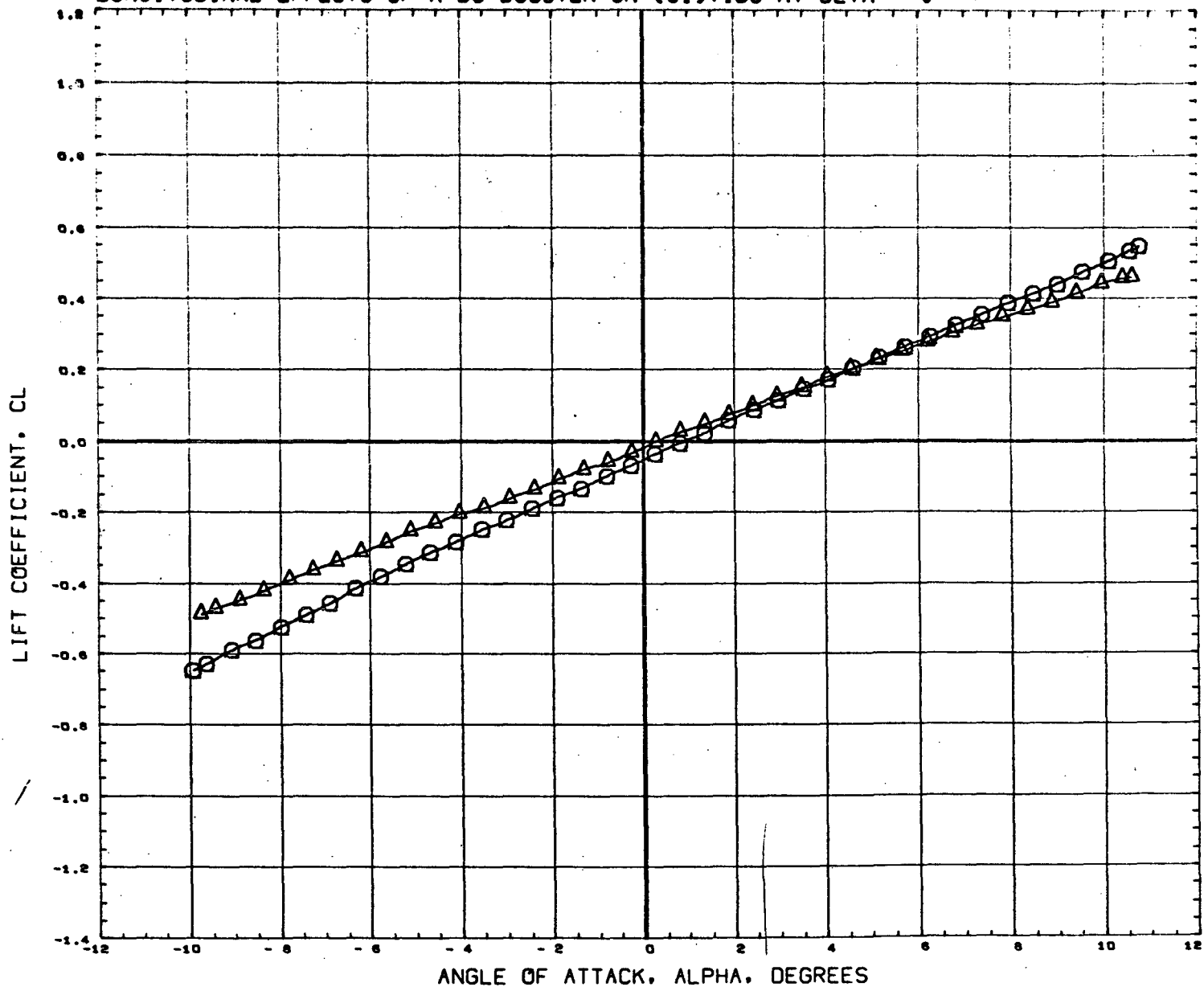
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7414)  MDAC S-222 COMPOSITE (T-C6) (01)T1B3  
 (CD7417)  DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 499

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T1B3 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7414) (O) MDAC S-222 COMPOSITE (T-CG) (O1)T1B3  
 (CD7417) (Δ) MDAC S-222 COMPOSITE (T-CG) (O1)T1B3L (B3R)

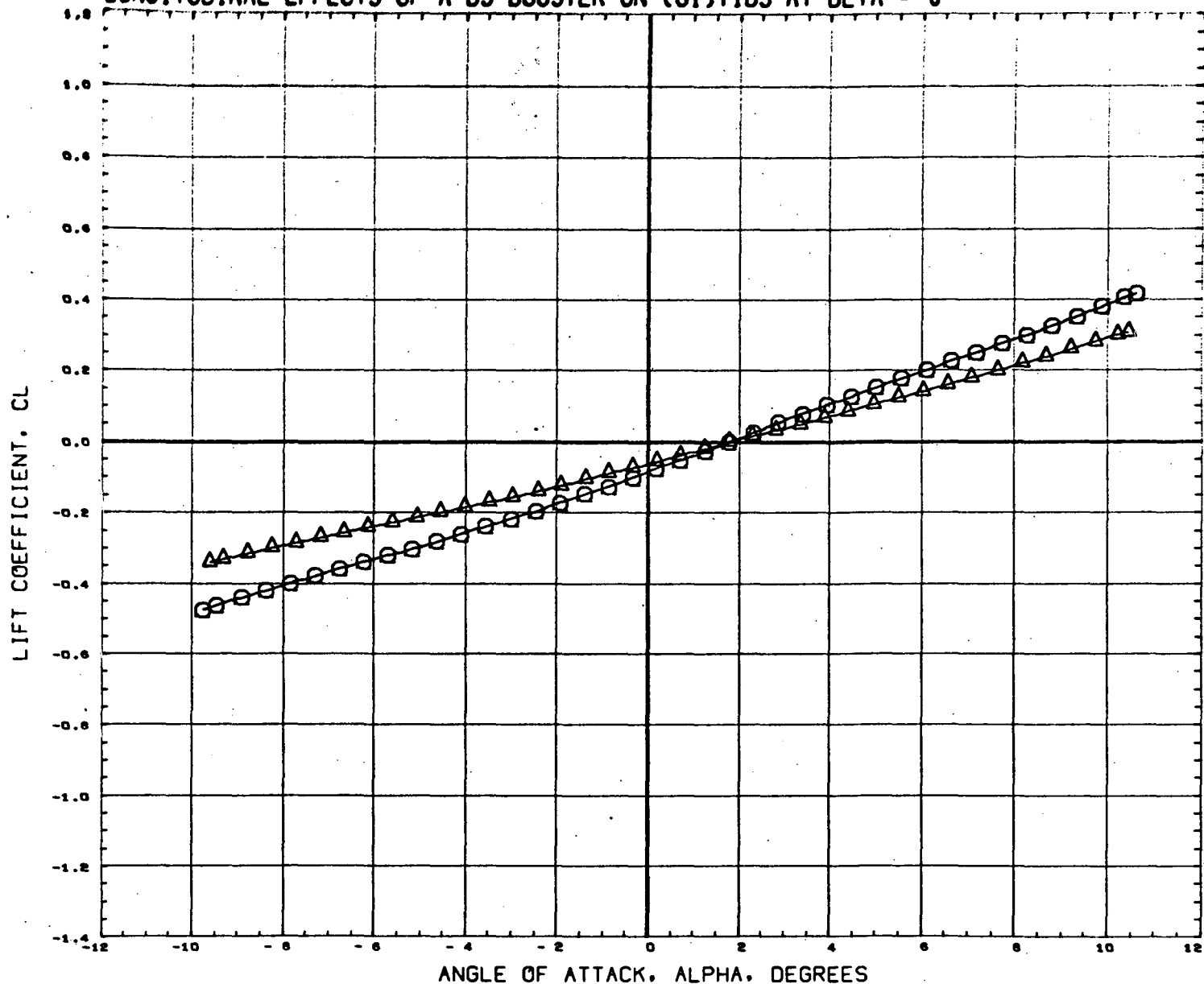
BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 0.000 0.000 0.000 0.000

REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 662.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH 2.20

PAGE 500

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T1B3 AT BETA = 0



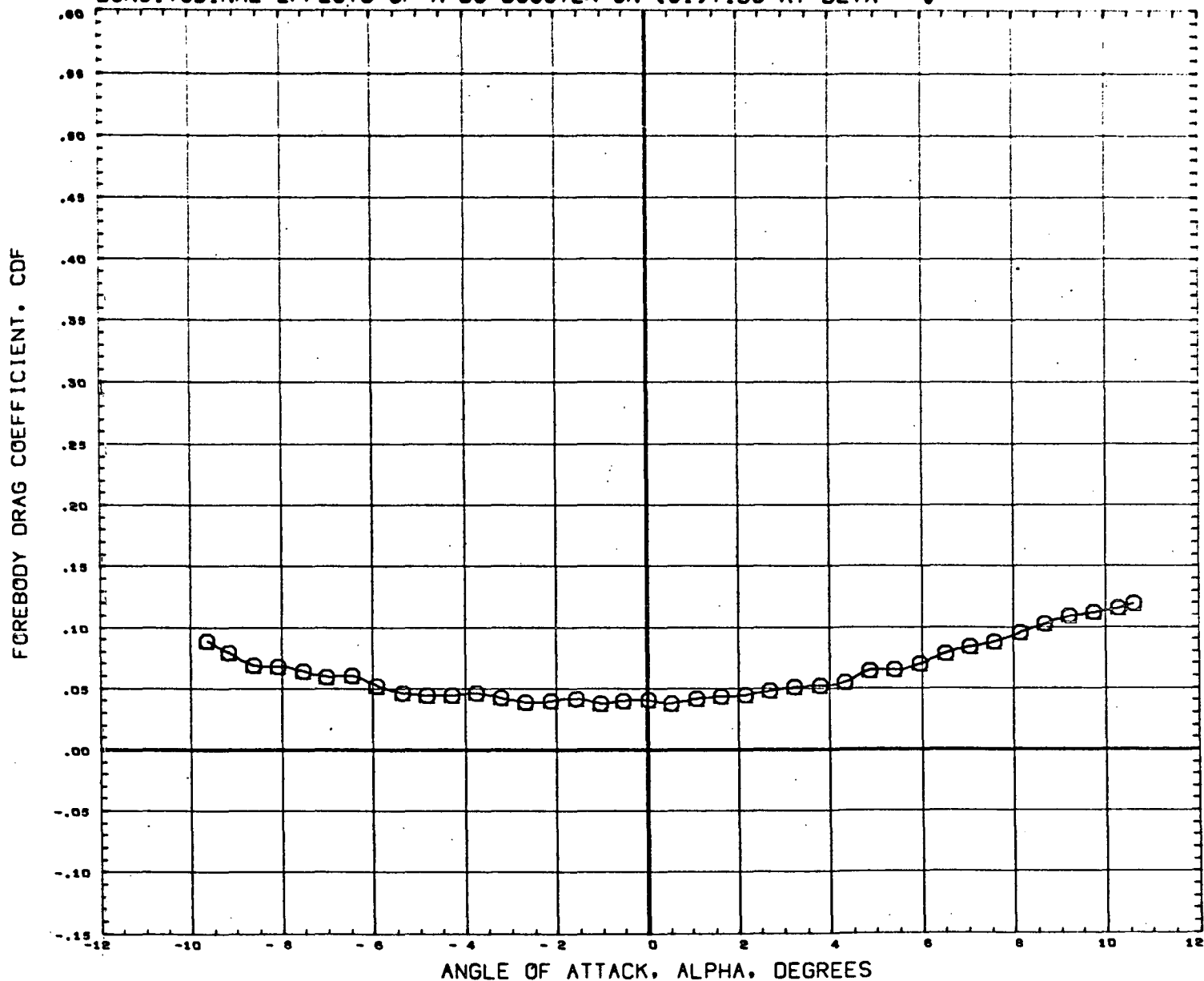
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7414)	MDAC S-222 COMPOSITE(T-CG) (O1)T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7417)	MDAC S-222 COMPOSITE(T-CG) (O1)T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH

4.47

PAGE 501

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7414)  MDAC S-222 COMPOSITE (T-CG) (01)T1B3  
 (CD7417)  DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

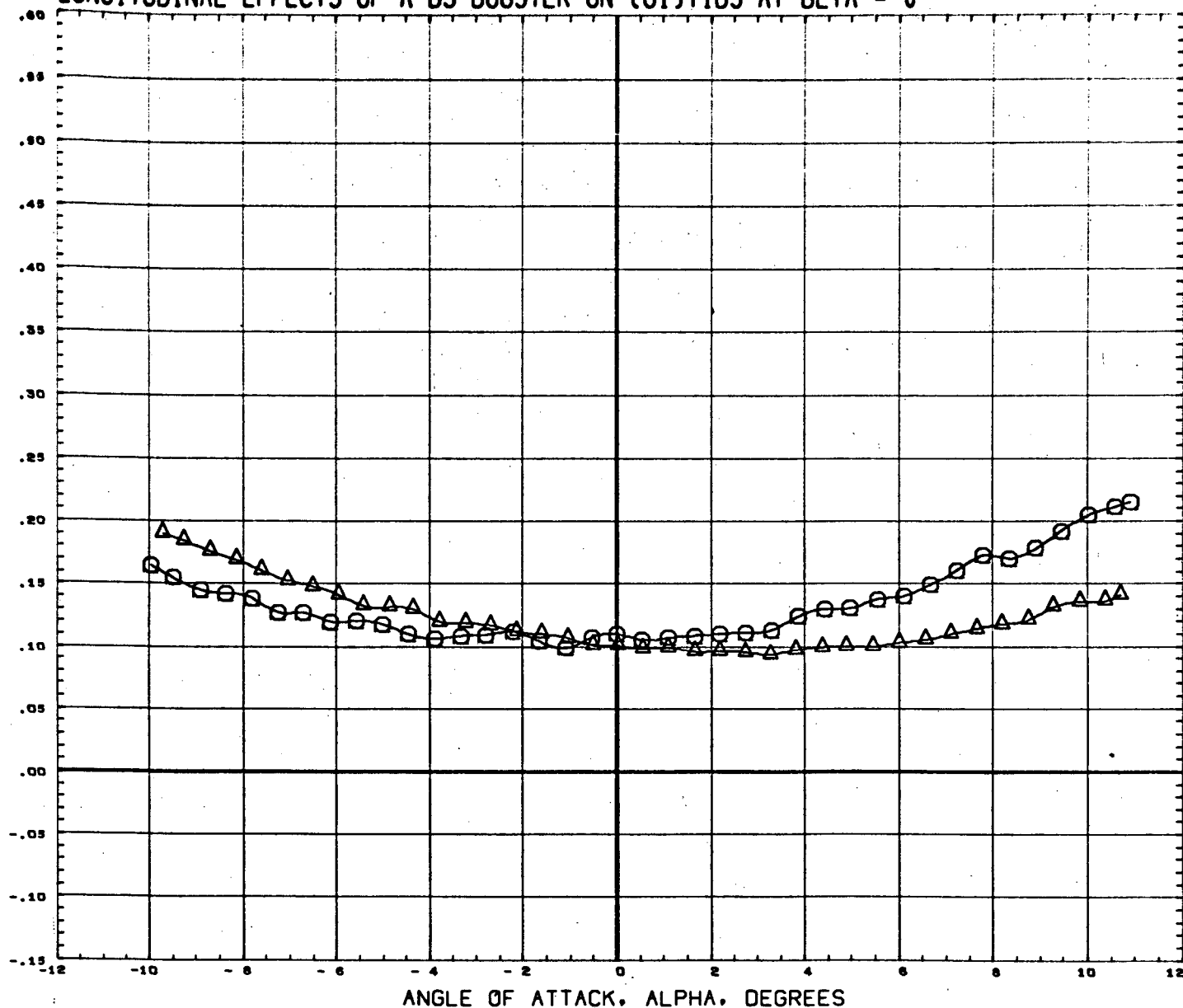
MACH .59

PAGE 502



# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T183 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



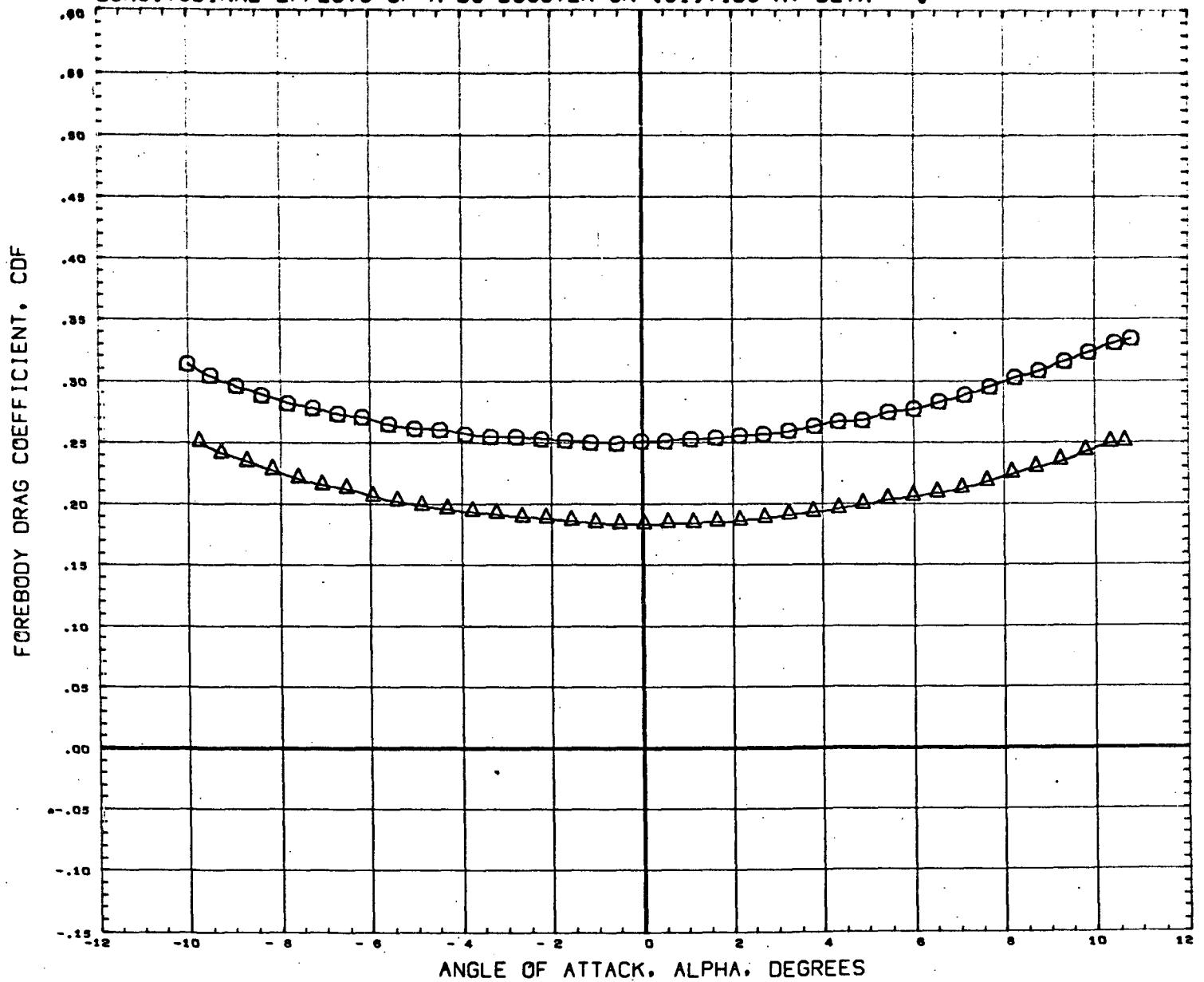
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7414)	MDAC S-222 COMPOSITE(T-CG) (01)T183
(CD7417)	MDAC S-222 COMPOSITE(T-CG) (01)T183L (B3R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF 609.5004 IN.
				BREF 882.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH .90

PAGE 503

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0



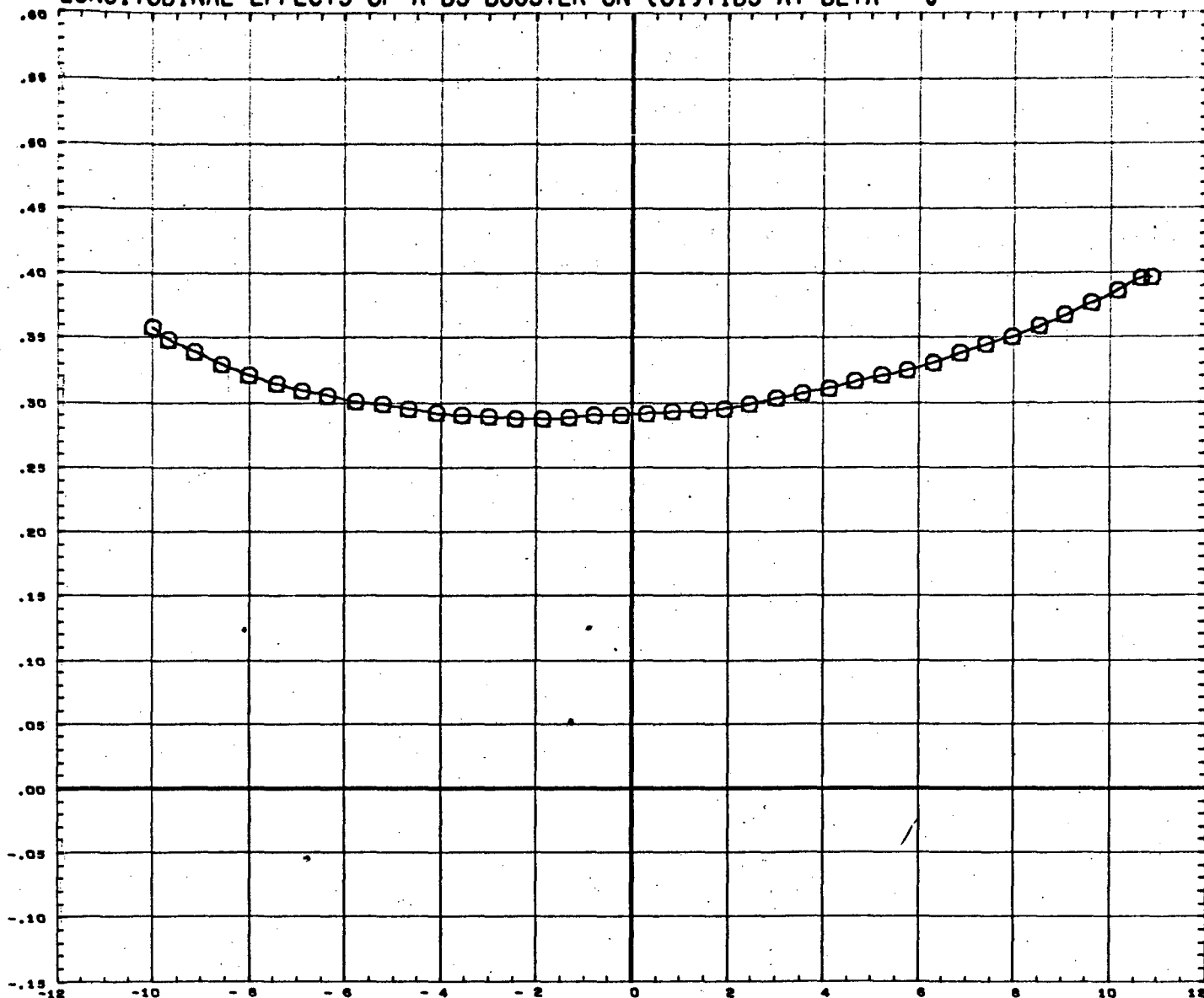
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7414)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7417)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	357.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

PAGE 504

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7414) MDAC S-222 COMPOSITE (Y-CG) (01)T1B3  
 (CD7417) DATA NOT AVAILABLE FOR ALL CONDITIONS

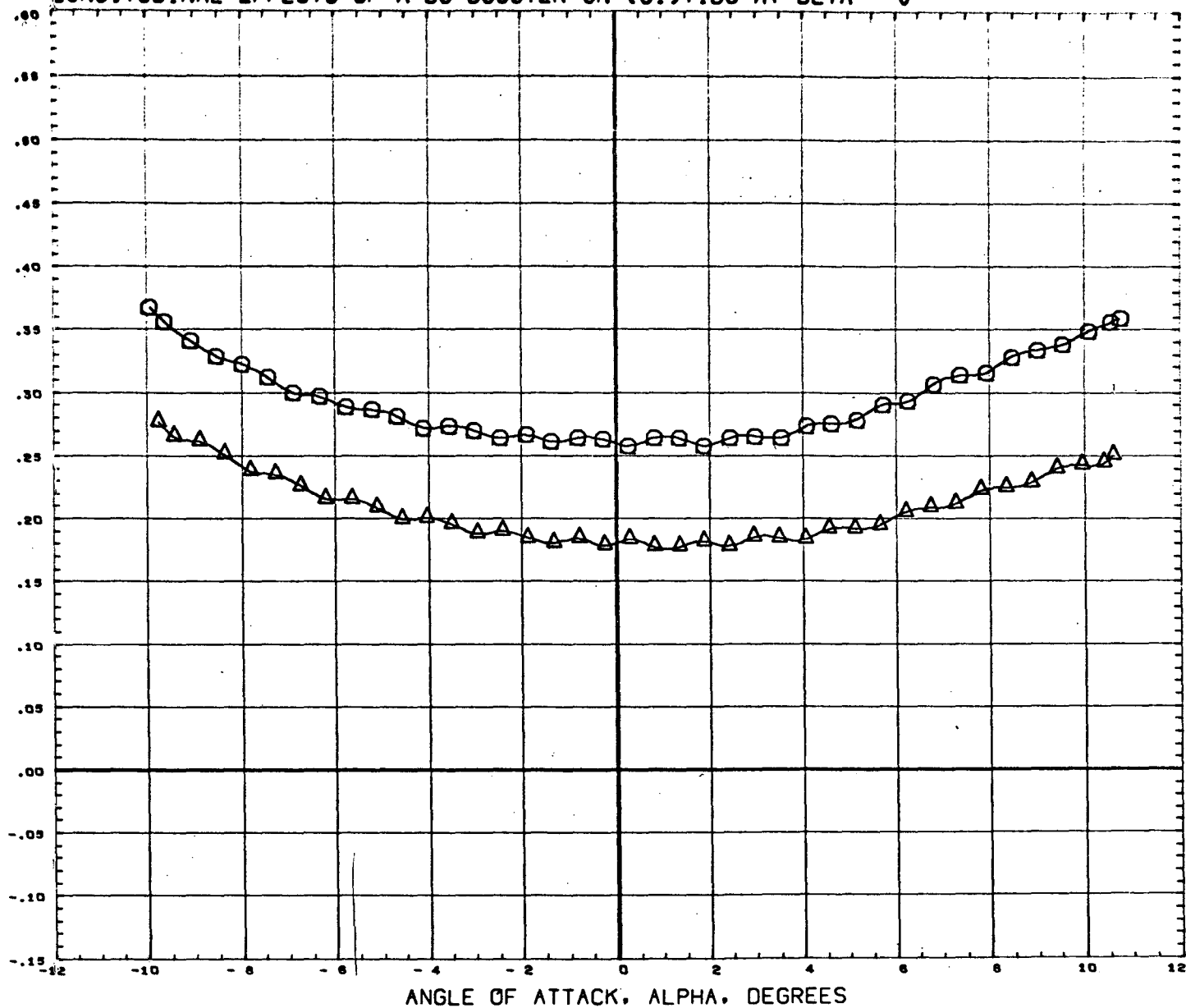
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	809.3004 IN.
				BREF	882.0004 IN.
				XMRP	357.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 505

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7414)	MDAC S-222 COMPOSITE (T-CG) (01) T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7417)	MDAC S-222 COMPOSITE (T-CG) (01) T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

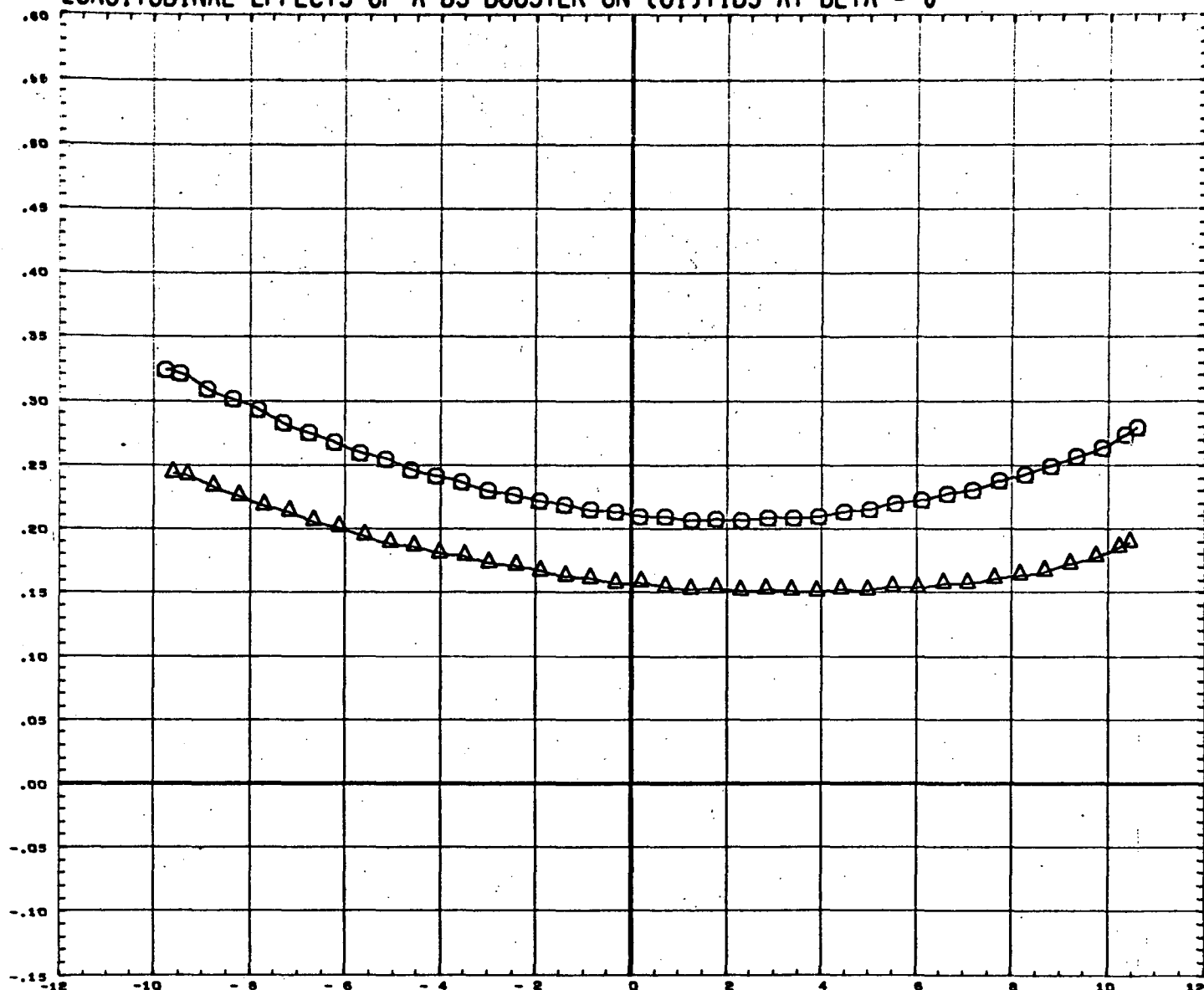
MACH

2.20

PAGE 506

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



ANGLE OF ATTACK, ALPHA, DEGREES

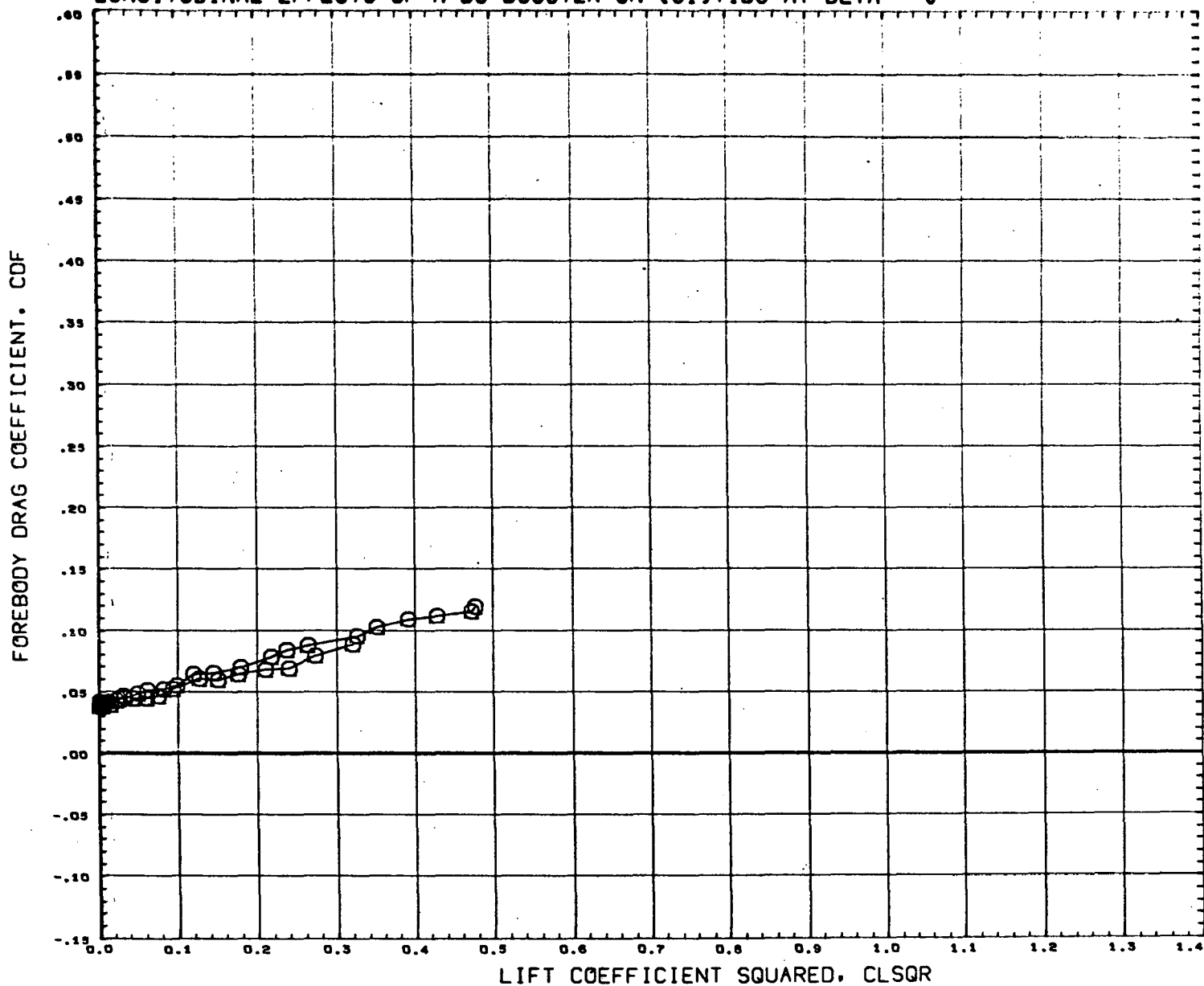
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07414)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07417)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH

4.47

PAGE 507

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7414)  MDAC S-222 COMPOSITE (T-CG) (01)T1B3  
 (CD7417)  DATA NOT AVAILABLE FOR ALL CONDITIONS

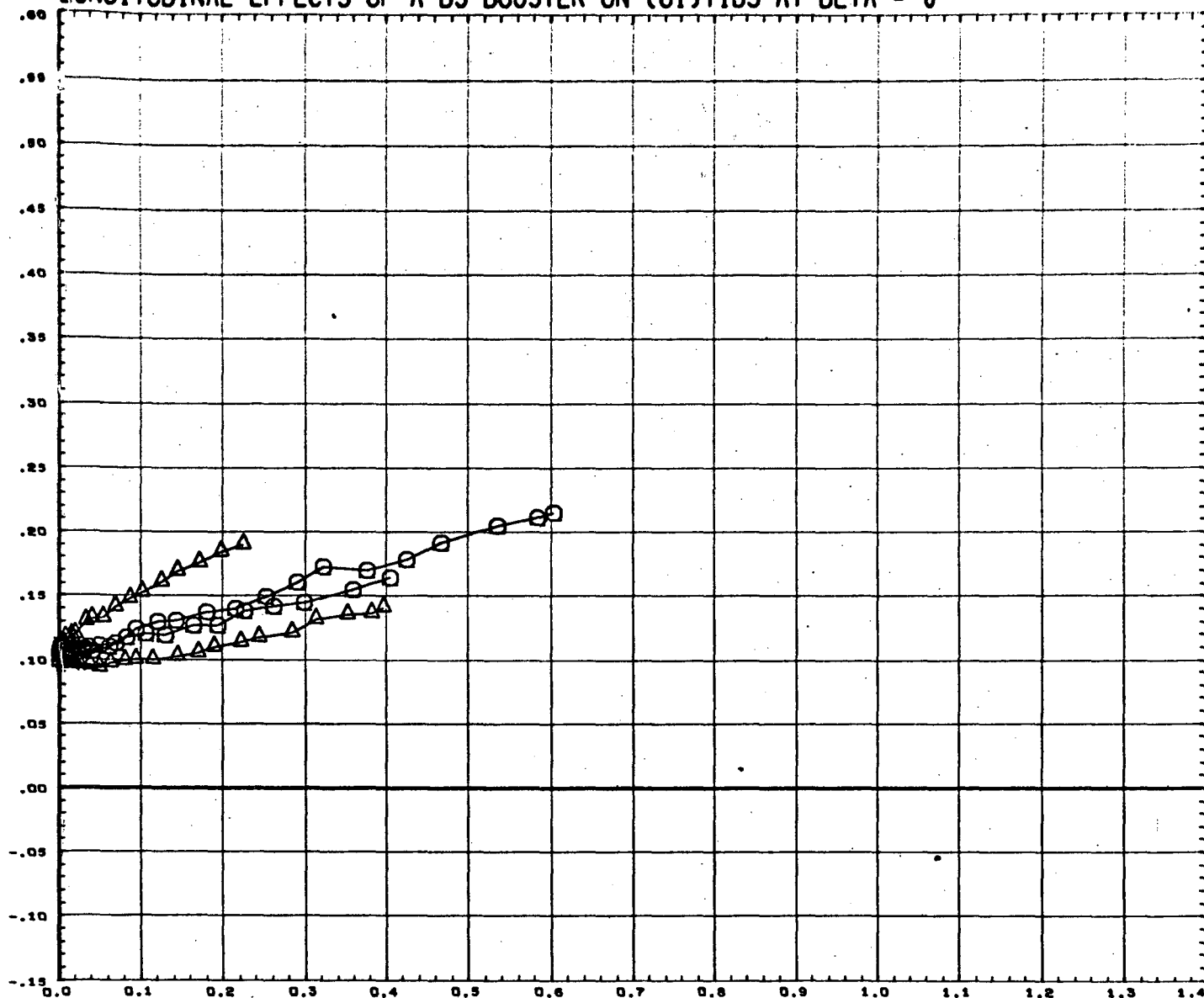
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .59

PAGE 508

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQ

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C07414) (01)T1B3  
(C07417) (01)T1B3L (B3R)

BETA ELEVTR AILRON RUDDER  
0.000 0.000 0.000 0.000  
0.000 0.000 0.000 0.000

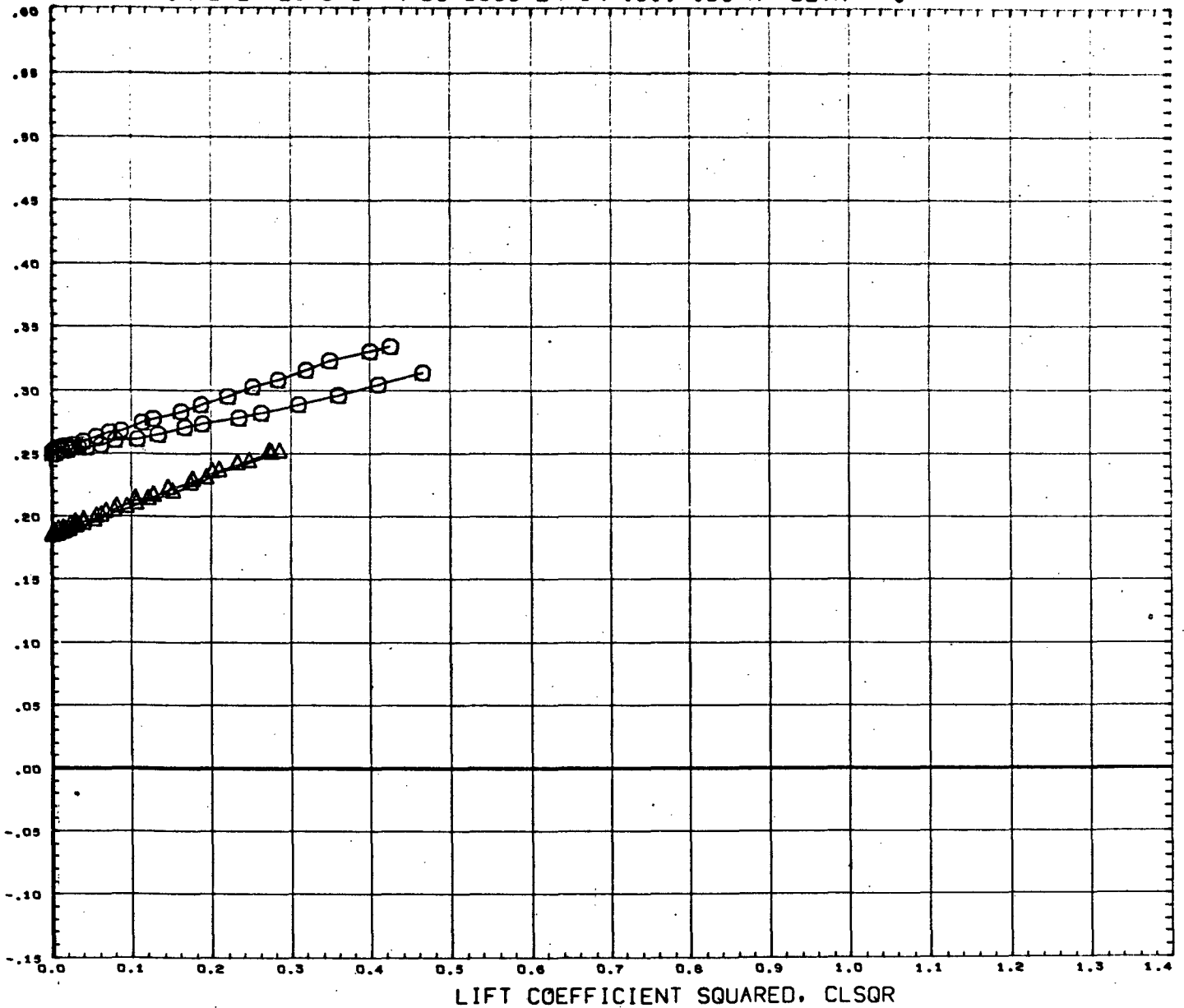
REFERENCE INFORMATION  
SREF 3155.3040 SQ.FT.  
LREF 609.5004 IN.  
BREF 882.0004 IN.  
XMRP 557.0004 IN.  
YMRP 0.0000 IN.  
ZMRP 200.0004 IN.  
SCALE 0.0060

MACH .90

PAGE 509

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7414) Q MDAC S-222 COMPOSITE(T-CG) (01)T1B3  
 (CD7417) Q MDAC S-222 COMPOSITE(T-CG) (01)T1B3L(B3R)

BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 0.000 0.000 0.000 0.000

REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

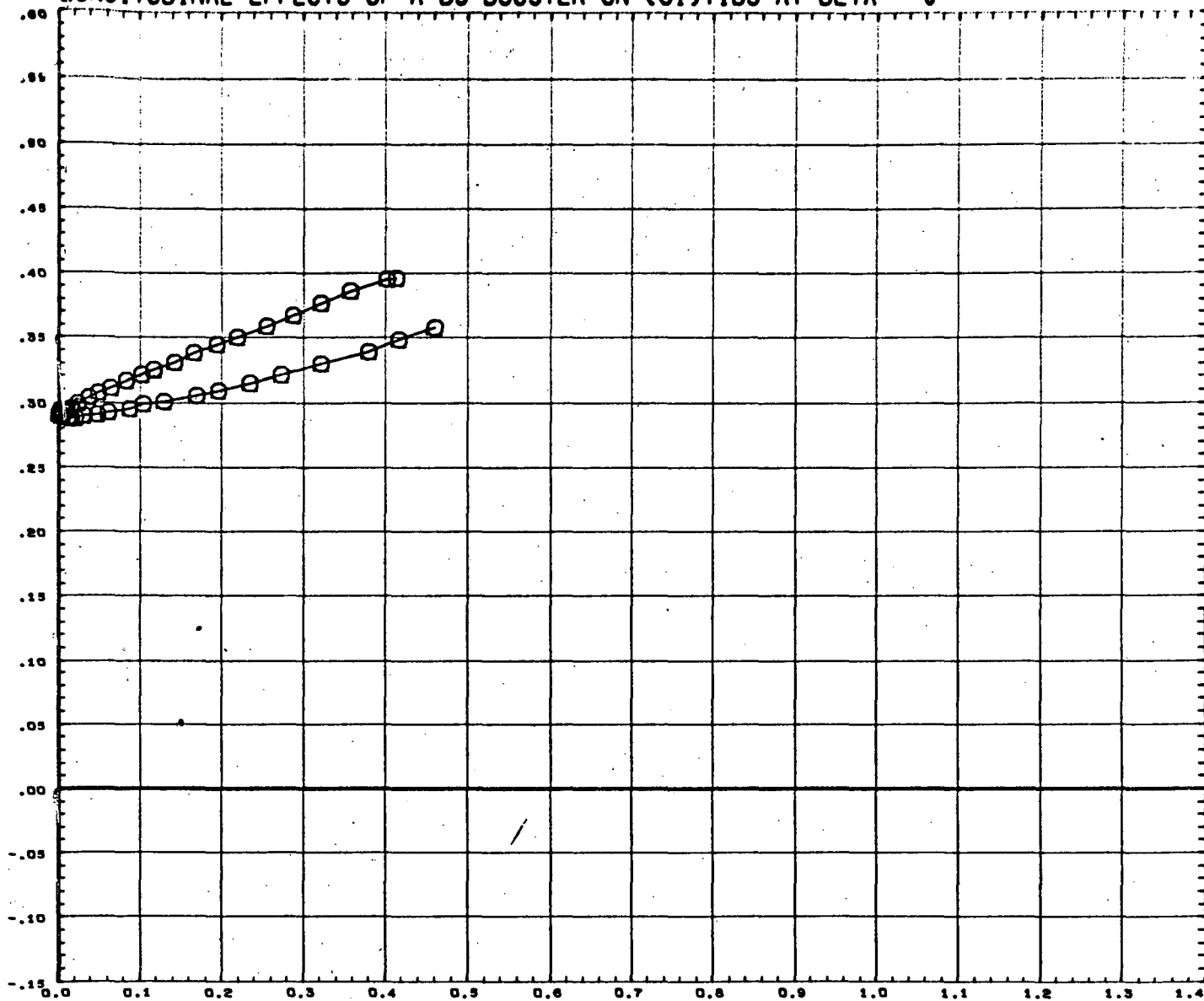
MACH 1.10

PAGE 510



# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQR

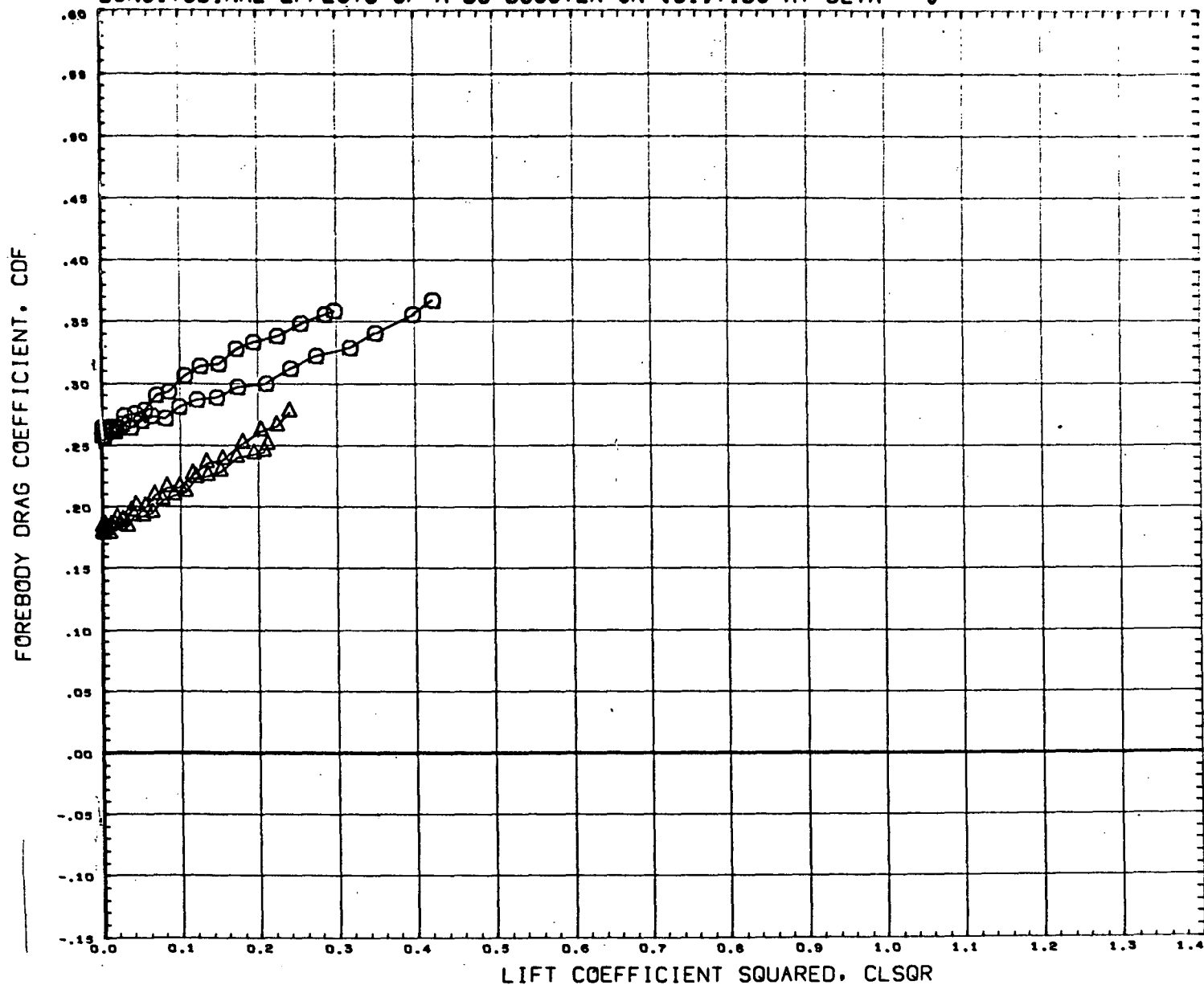
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7414) Q MDAC S-222 COMPOSITE(T-CG) (01)T1B3  
 (CD7417) A DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	882.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH 1.51

PAGE 511

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0

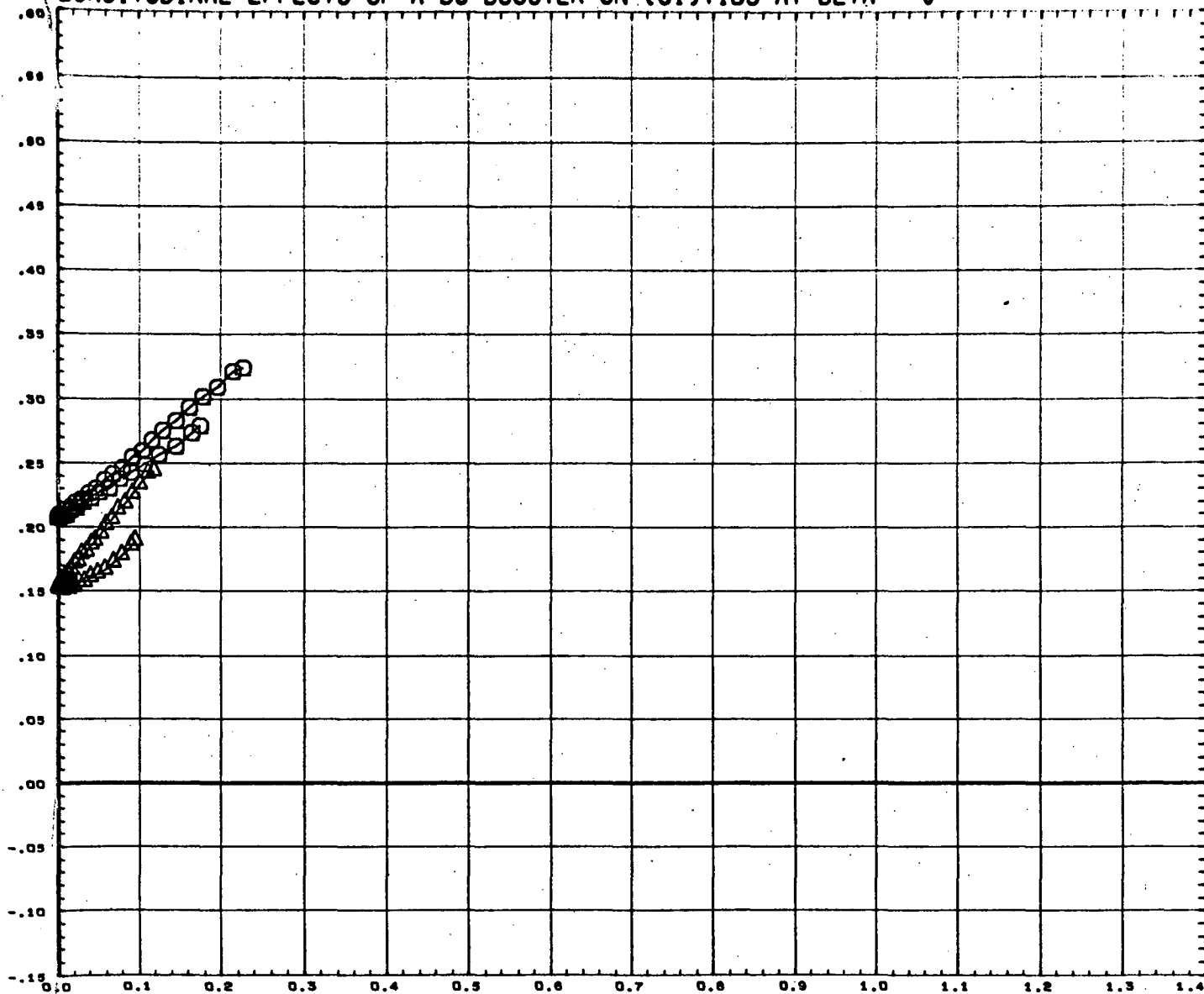


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7414)	MDAC S-222 COMPOSITE (T-CG) (01) T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7417)	MDAC S-222 COMPOSITE (T-CG) (01) T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQ

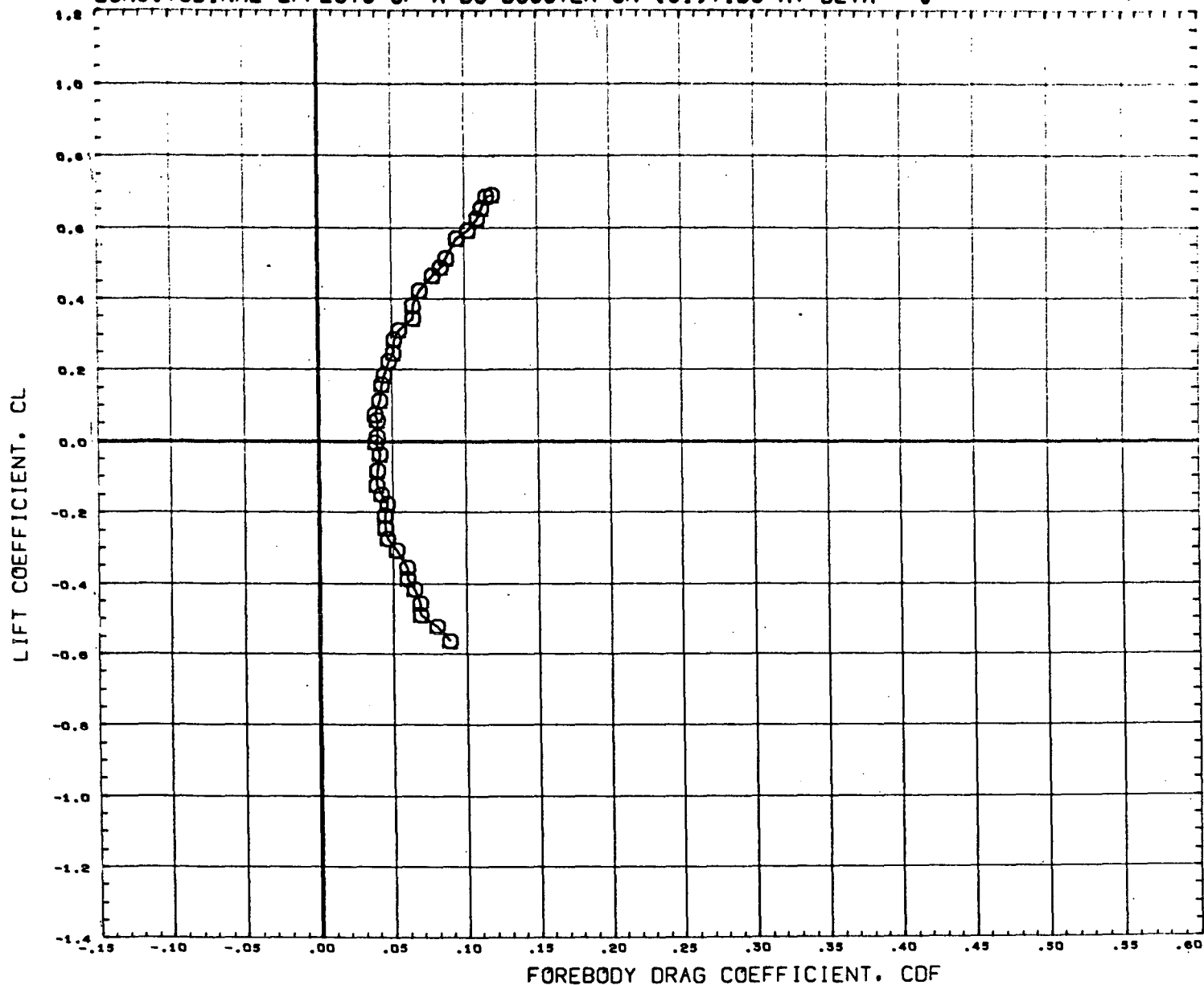
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7414)	MDAC S-222 COMPOSITE (T-CG) (01) T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7417)	MDAC S-222 COMPOSITE (T-CG) (01) T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	662.0004 IN.
						XMRF	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH

4.47

PAGE 513

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0



FOREBODY DRAG COEFFICIENT, CDF

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7414) MDAC S-222 COMPOSITE (T-CG) (01)T1B3  
 (CD7417) DATA NOT AVAILABLE FOR ALL CONDITIONS

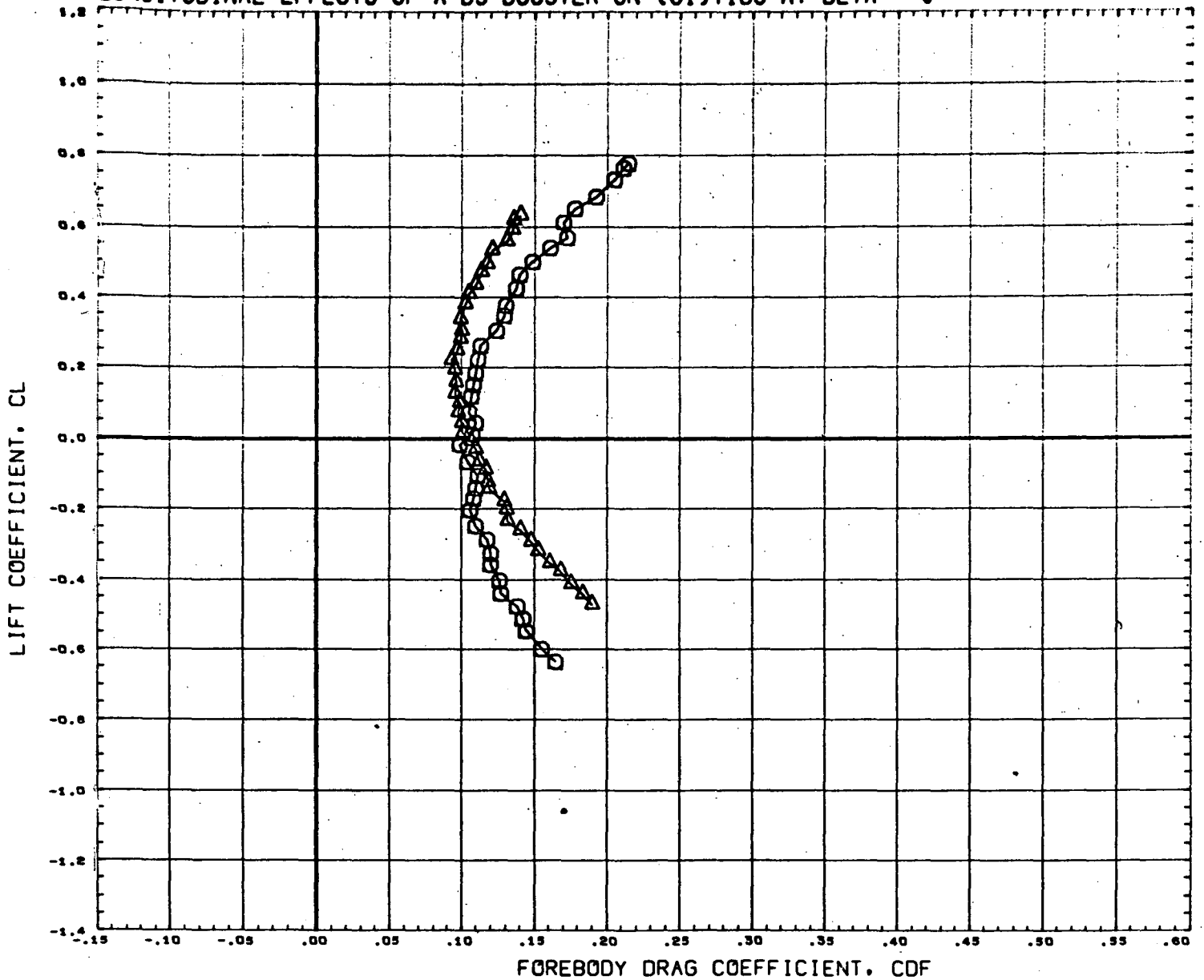
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH

.59

PAGE 514

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7414) (01)T1B3 MDAC S-222 COMPOSITE (T-CG)  
 (CD7417) (01)T1B3L (B3R) MDAC S-222 COMPOSITE (T-CG)

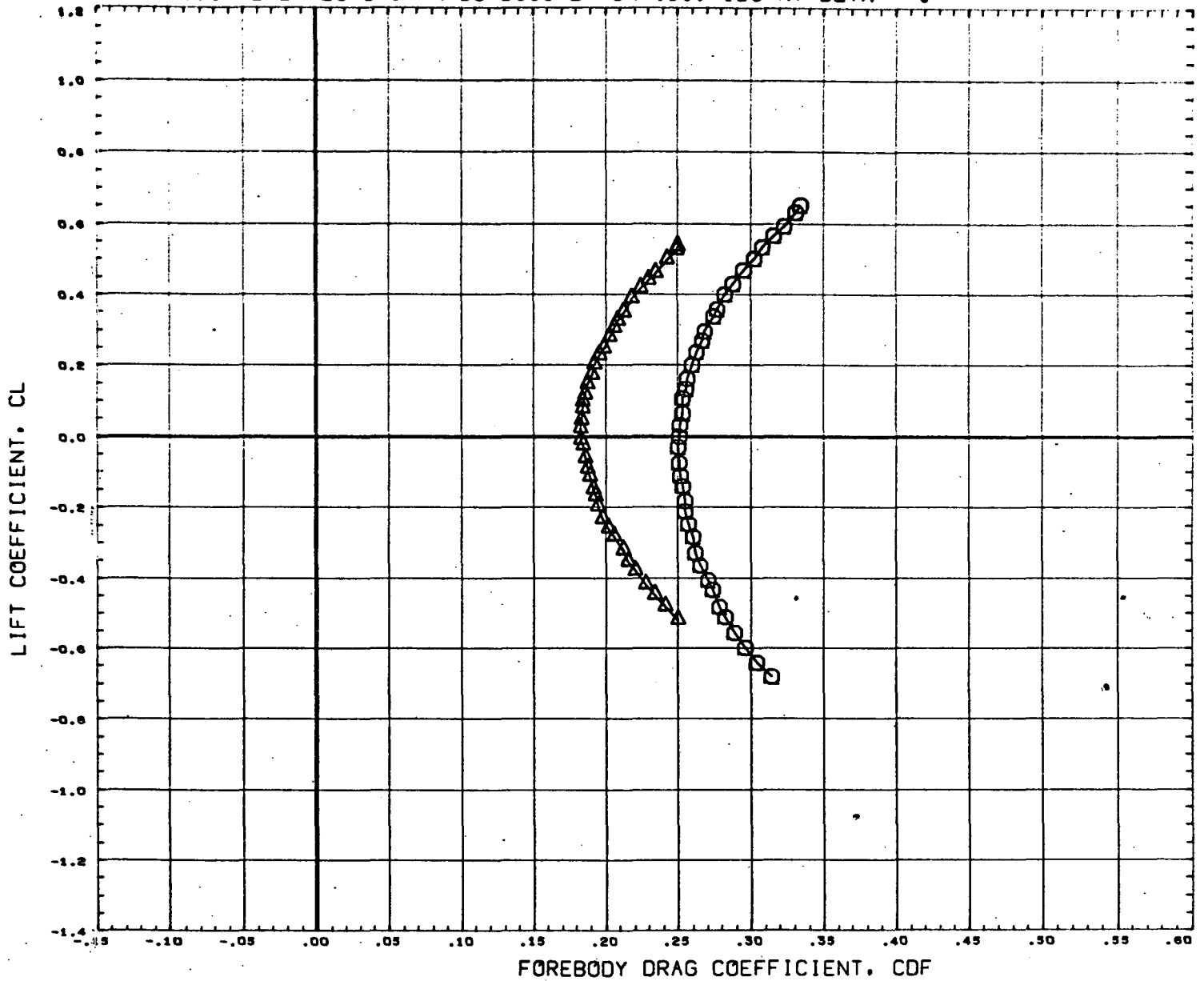
BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 0.000 0.000 0.000 0.000

REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 862.0004 IN.  
 XMRP 557.0000 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH .90

PAGE 515

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T1B3 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7414)  MDAC S-222 COMPOSITE (T-CG) (O1)T1B3  
 (CD7417)  MDAC S-222 COMPOSITE (T-CG) (O1)T1B3L (B3R)

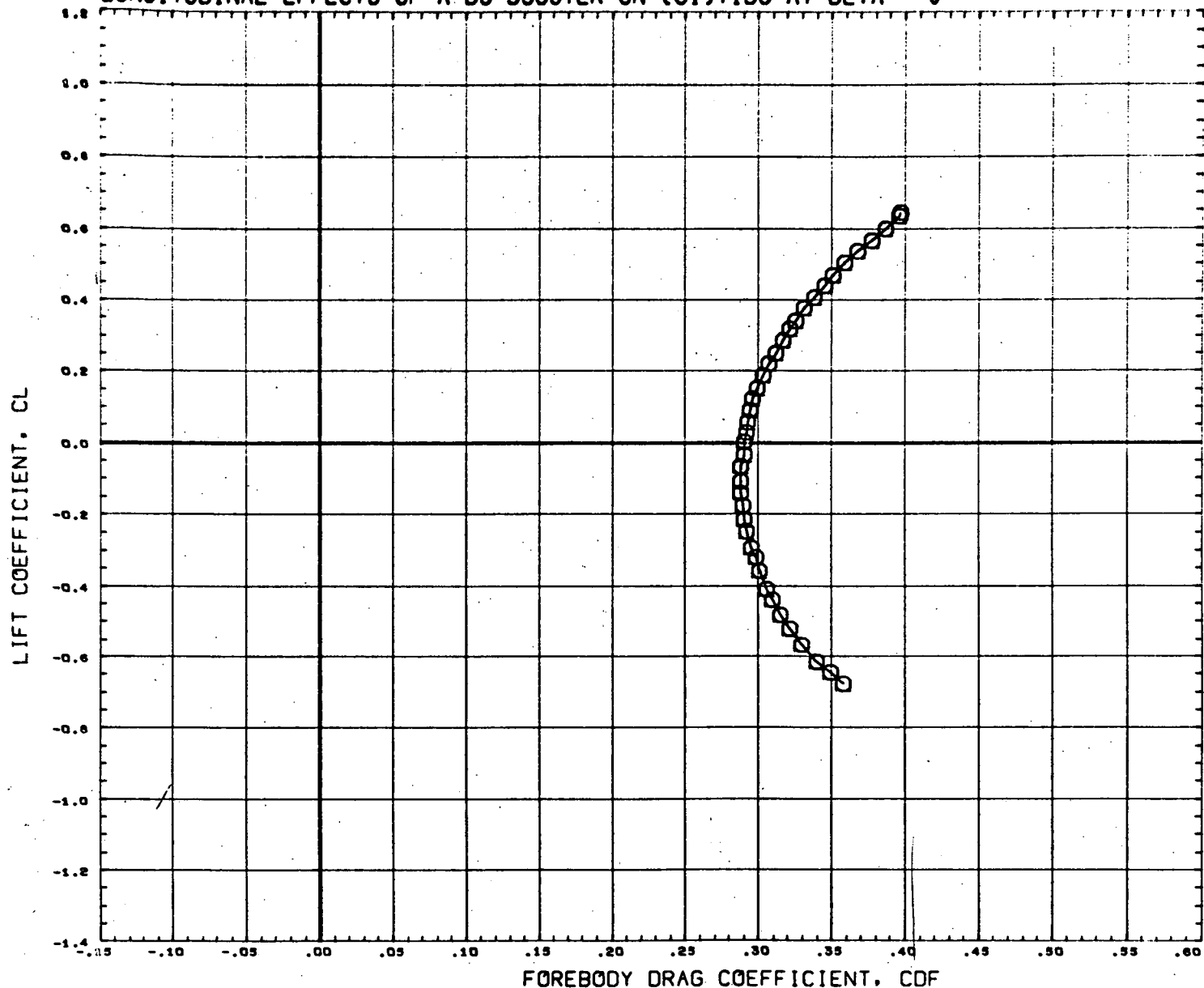
BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 0.000 0.000 0.000 0.000

REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH 1.10

PAGE 516

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0



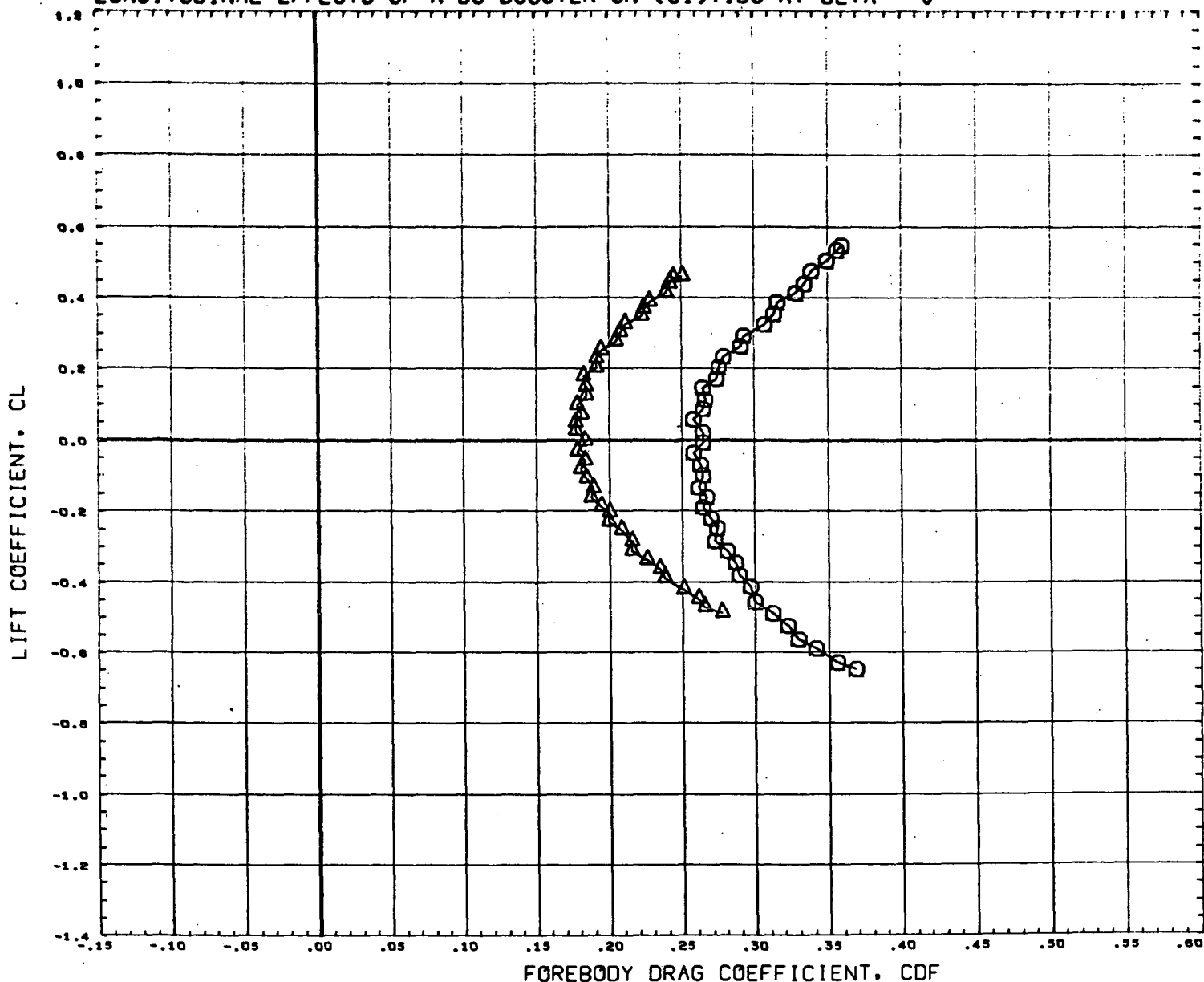
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7414) (01)T1B3  
 (CD7417) DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	682.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 517

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7414) MDAC S-222 COMPOSITE (T-CG) (01)T1B3  
 (CD7417) MDAC S-222 COMPOSITE (T-CG) (01)T1B3L (B3R)

BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 0.000 0.000 0.000 0.000

REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

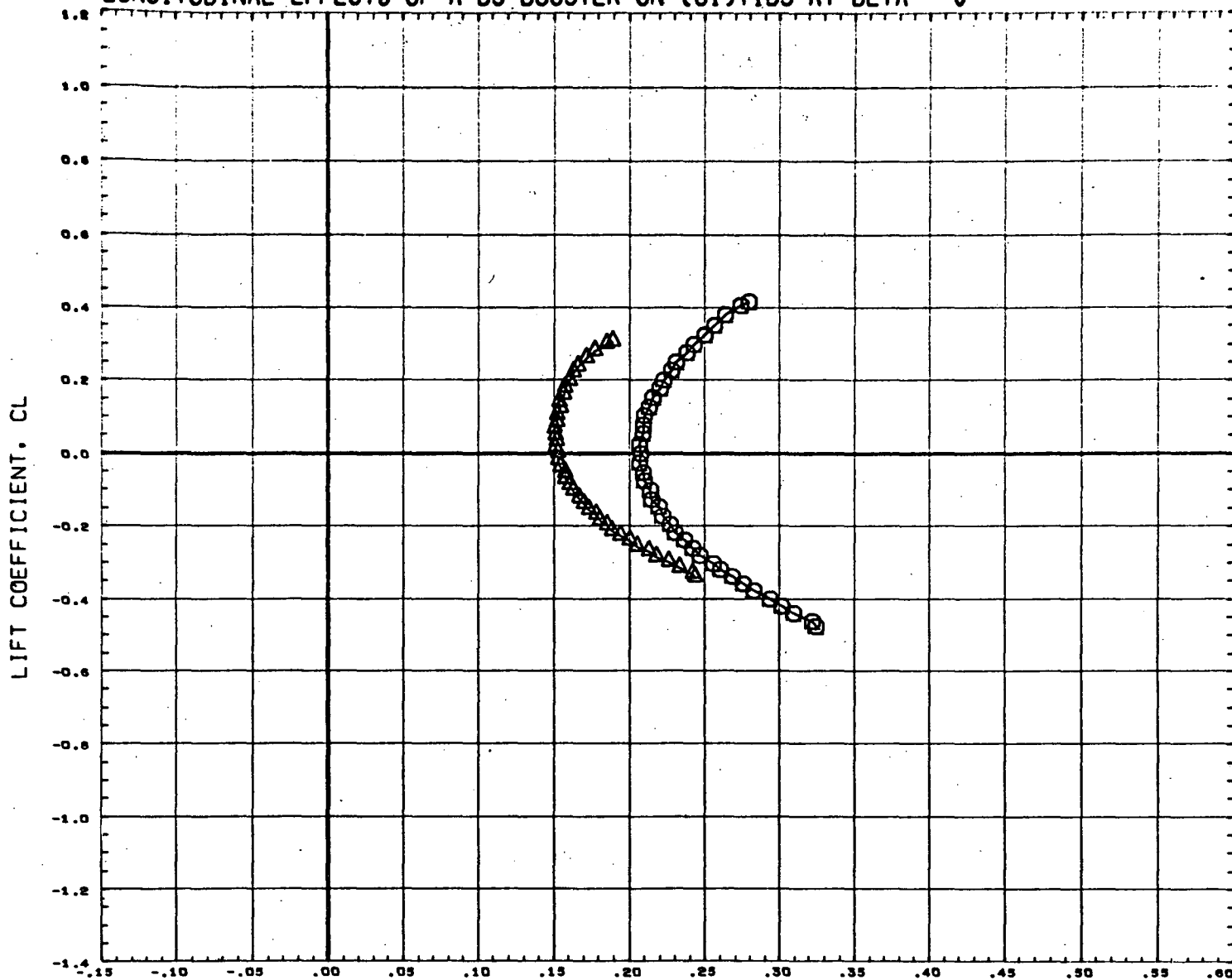
MACH

2.20

PAGE 518



# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0



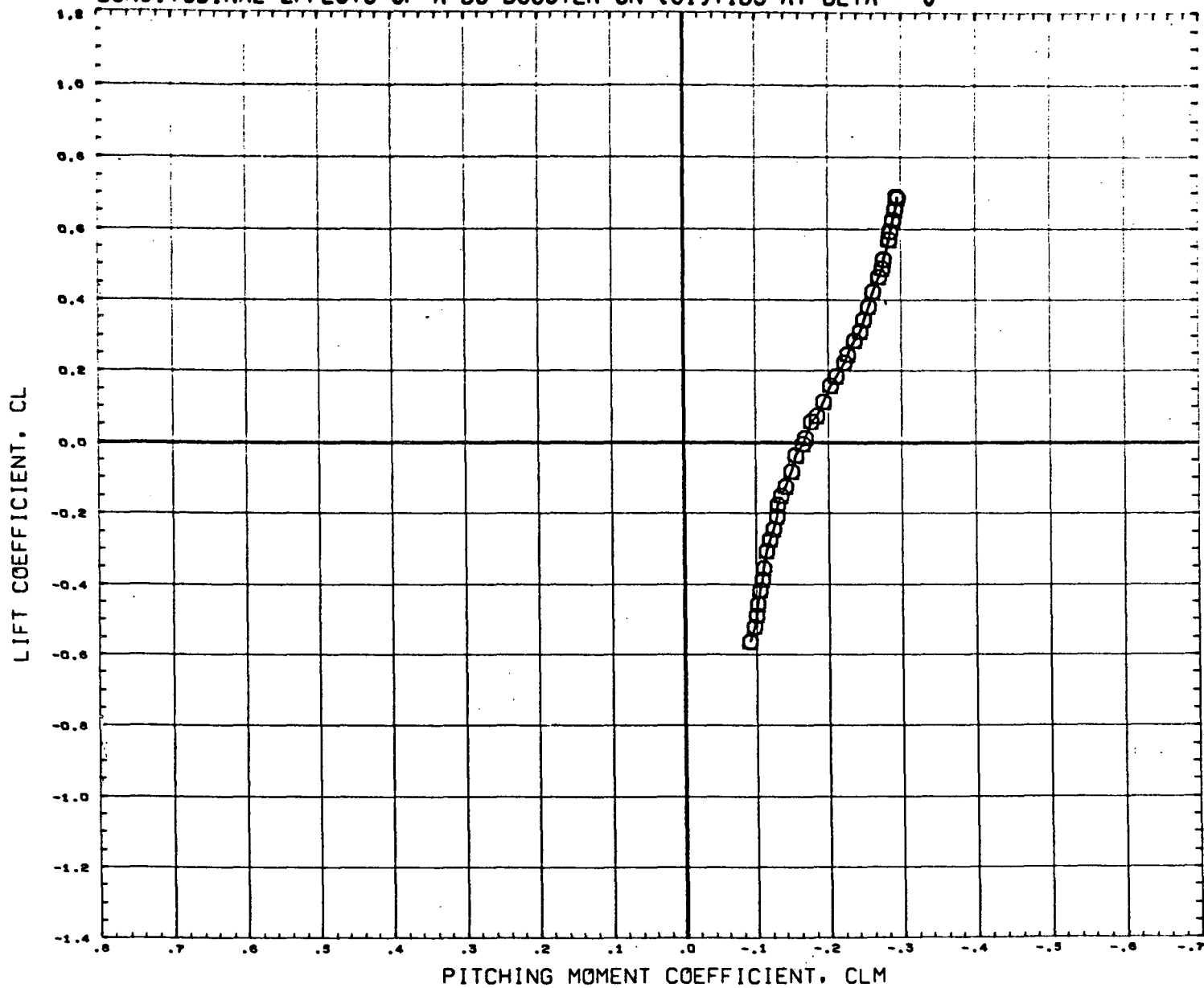
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(CD7414) (01)T1B3  
(CD7417) (01)T1B3L (B3R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	662.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

PAGE 519

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0



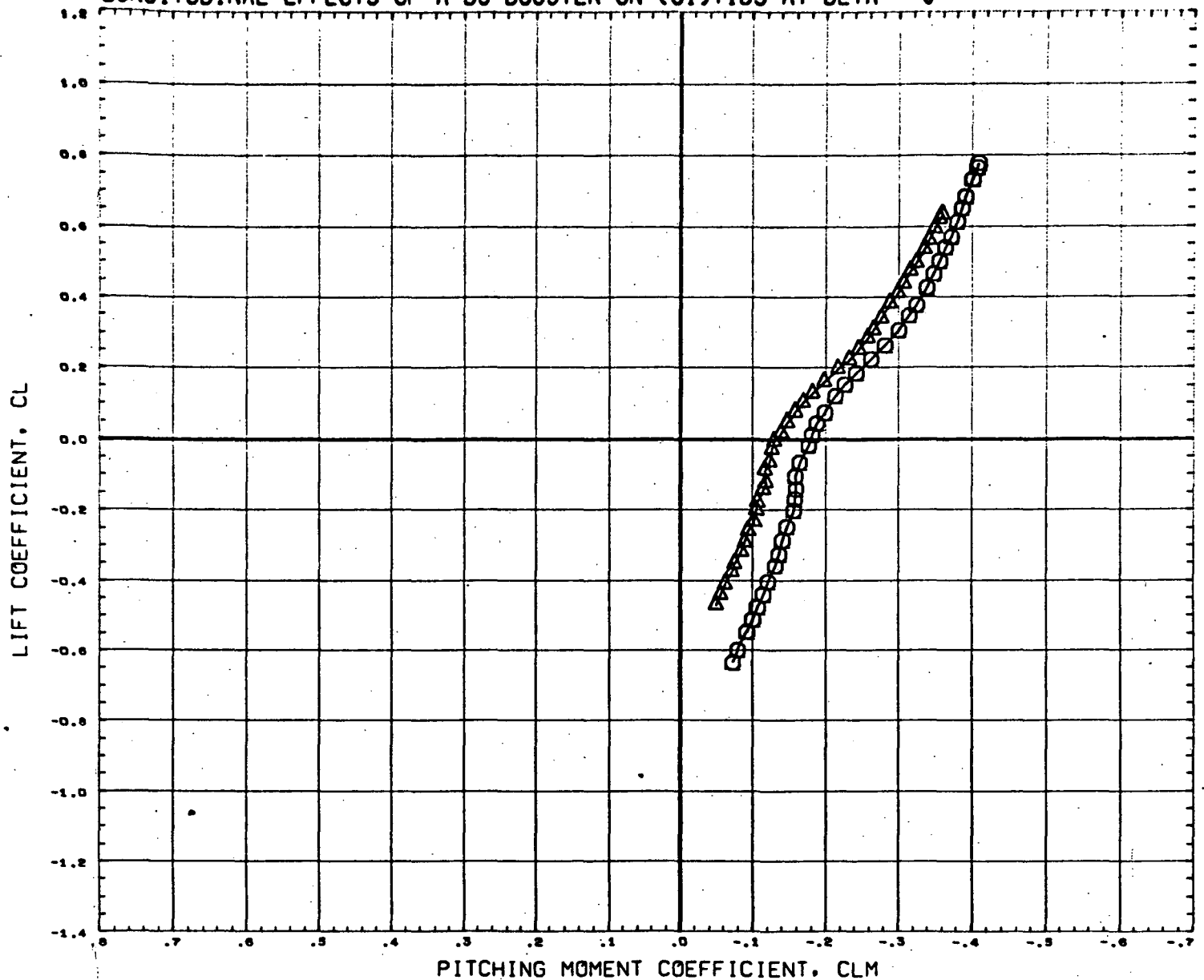
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7414)    Q    MDAC S-222 COMPOSITE(T-CG) (01)T1B3  
 (CD7417)       DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .59

PAGE 520

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T1B3 AT BETA = 0

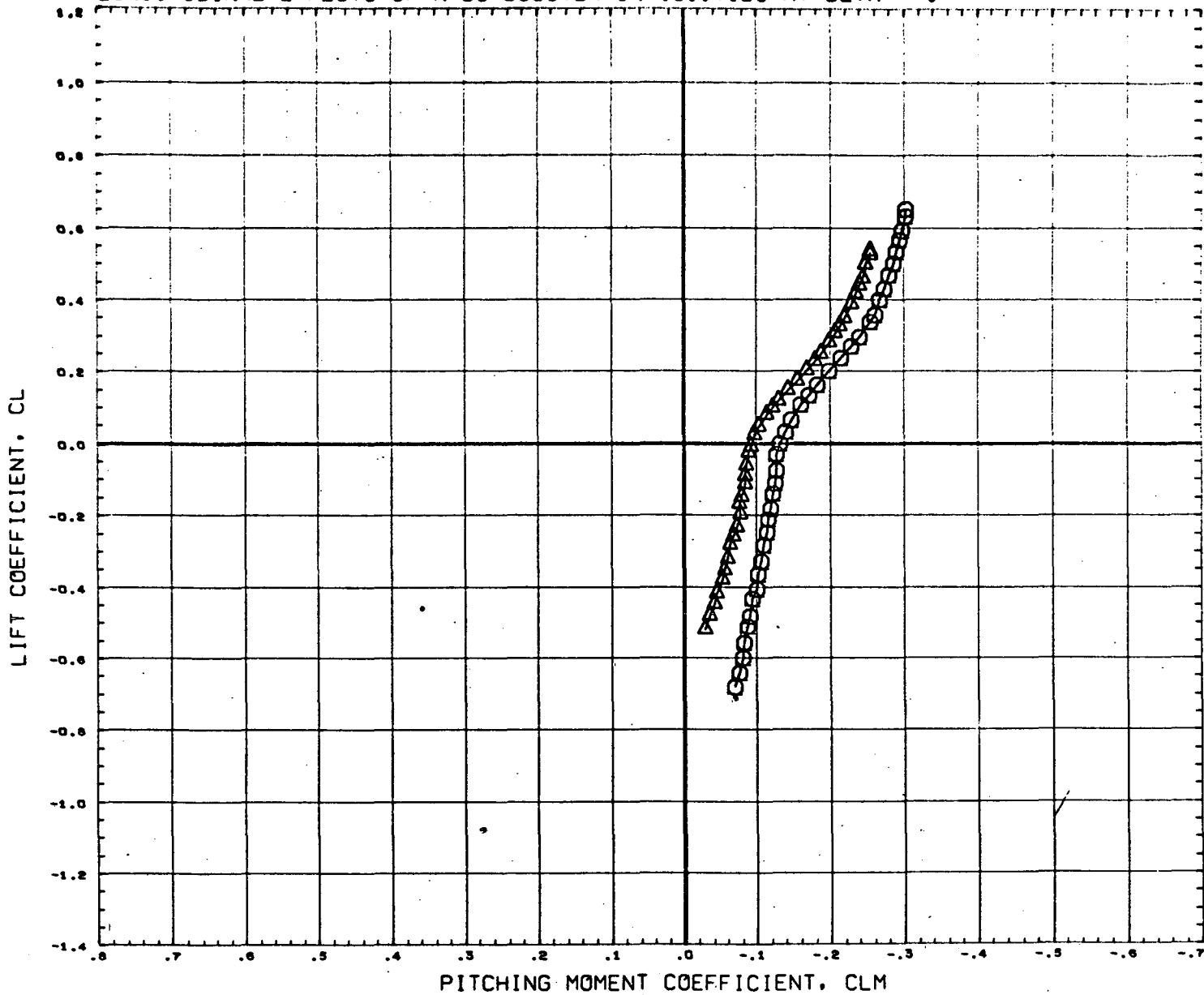


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7414)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B3	0.000	0.000	0.000	0.000	SREF	3133.3040 SQ.FT.
(CD7417)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRP	537.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 521

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0

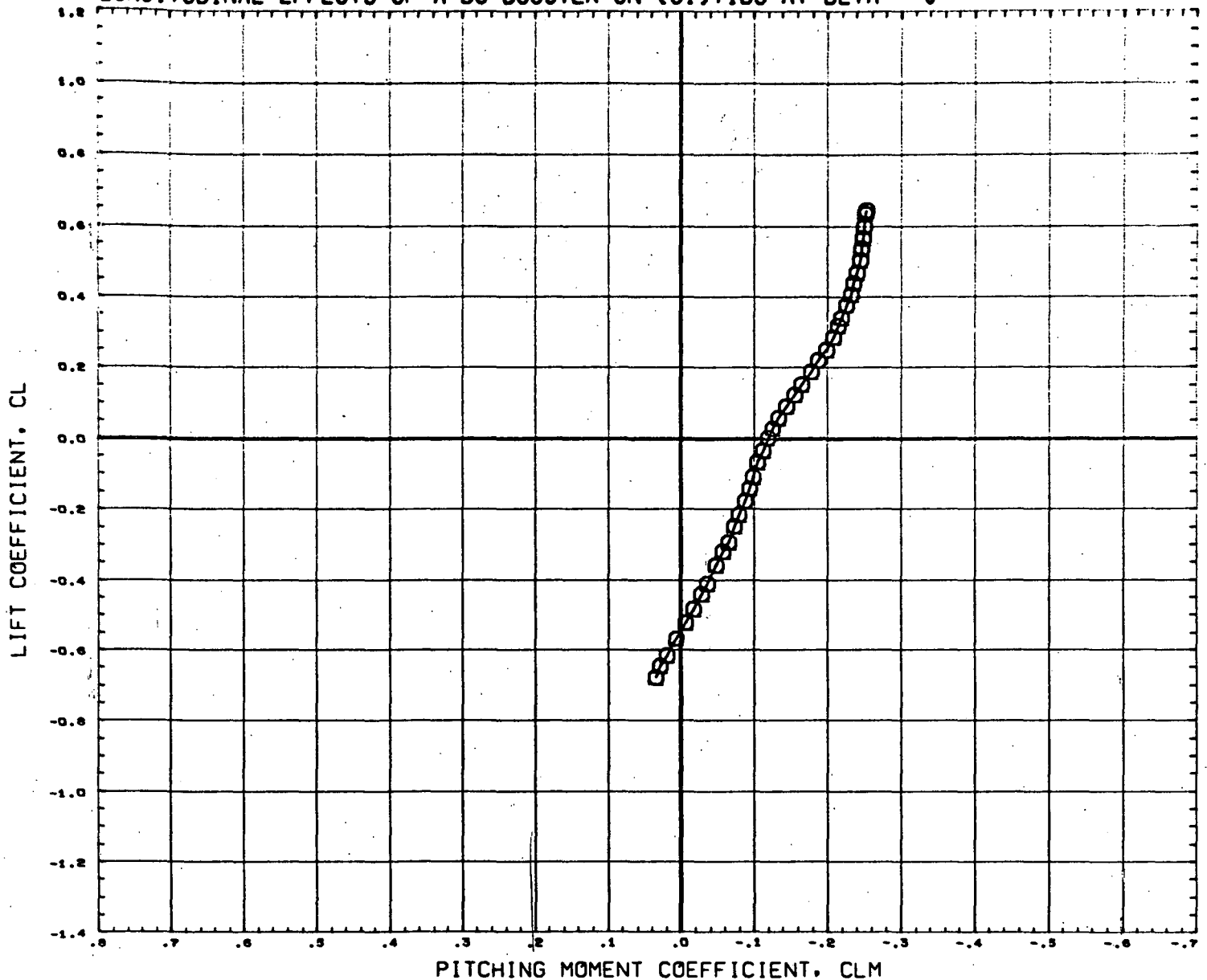


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7414)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7417)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

PAGE 522

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0



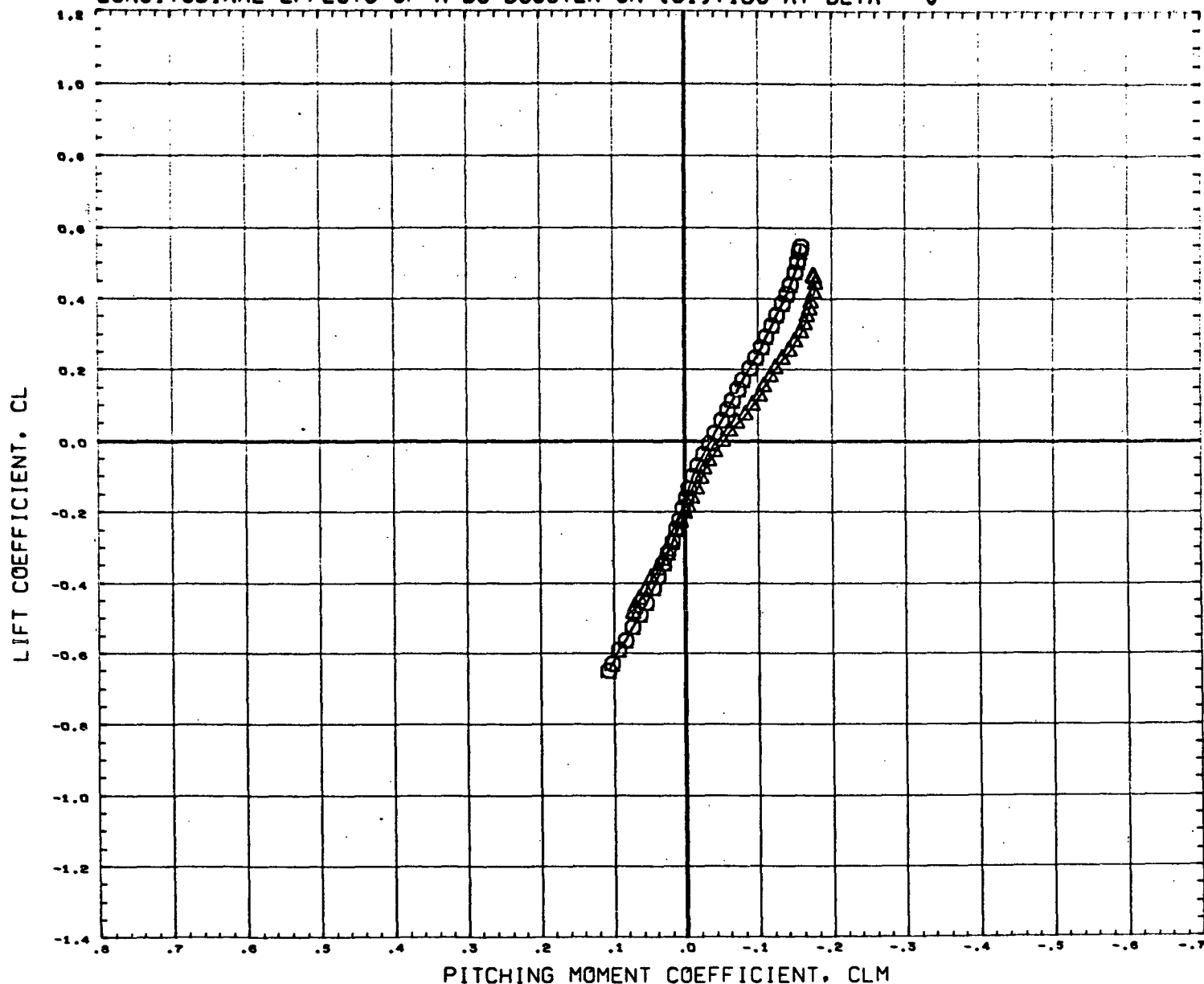
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7414) MDAC S-222 COMPOSITE (T-CG) (01)T1B3  
 (CD7417) DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	662.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 523

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7414)  MDAC S-222 COMPOSITE (T-CG) (01)T1B3  
(CD7417)  MDAC S-222 COMPOSITE (T-CG) (01)T1B3L (B3R)

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

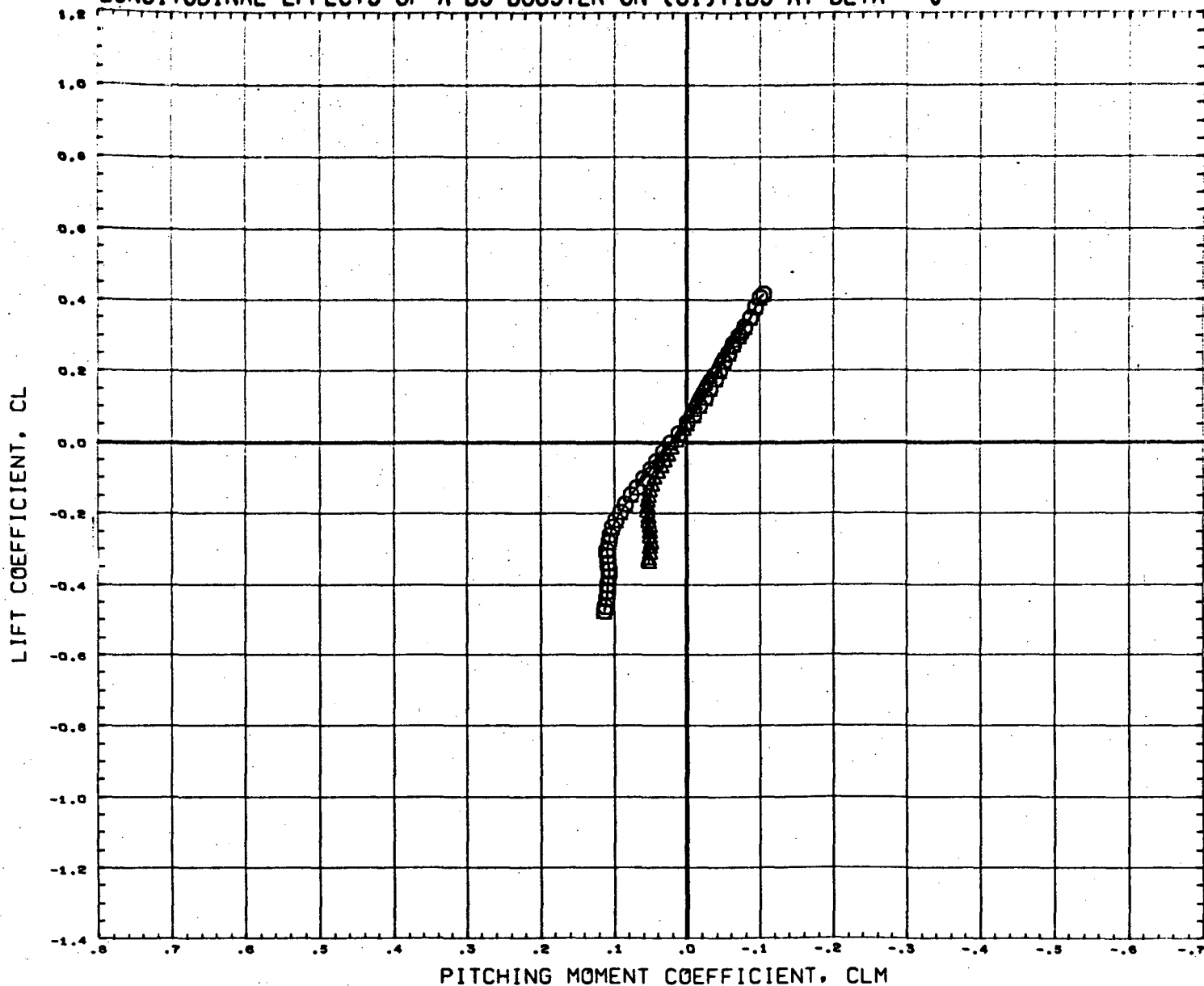
REFERENCE INFORMATION

SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	862.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH 2.20

PAGE 524

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0



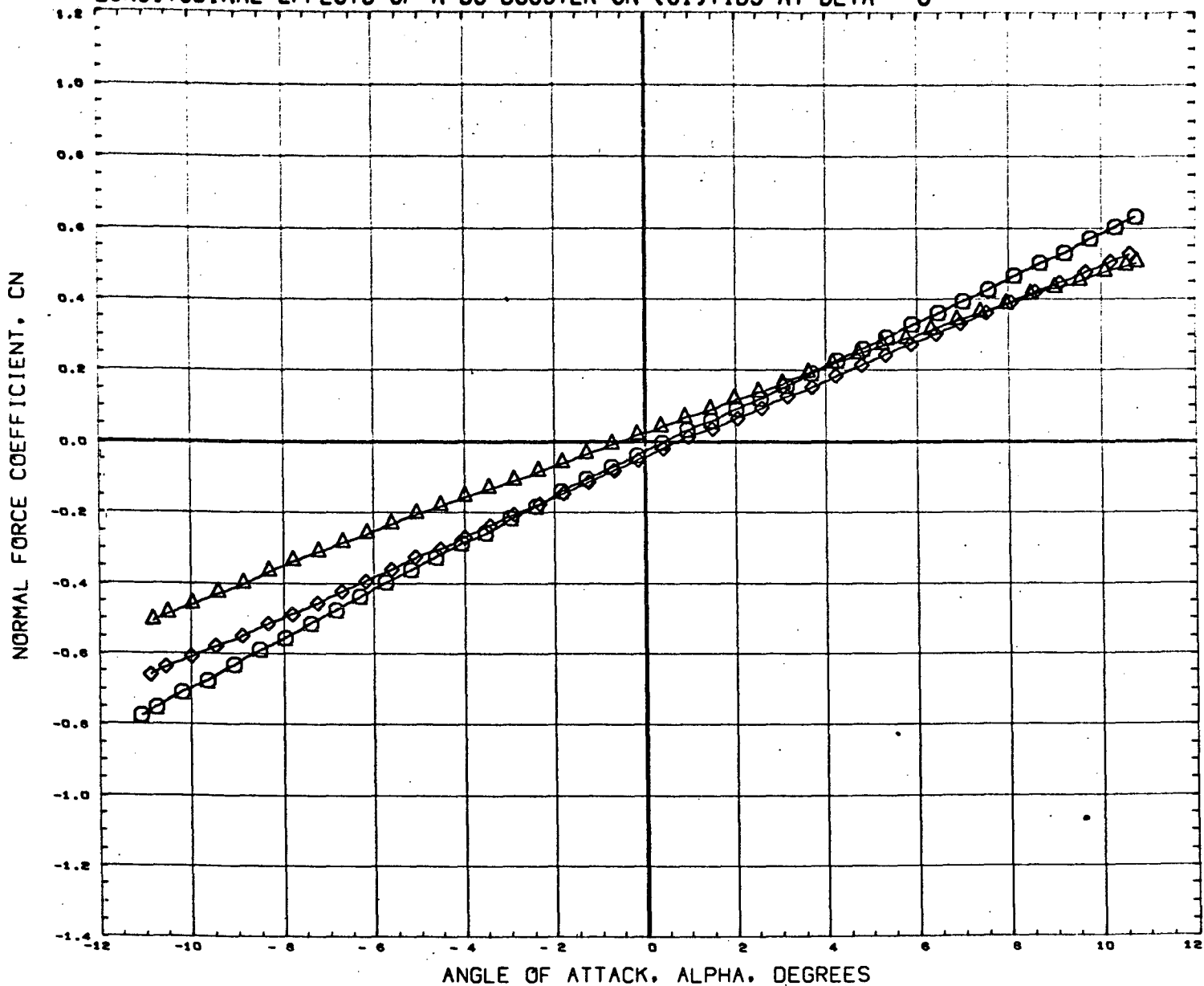
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7414)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3
(CD7417)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3L (B3R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF 609.5004 IN.
				BREF 882.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH 4.47

PAGE 525

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7416)	MDAC S-222 COMPOSITE (T-CG) (01) T1B3	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7419)	MDAC S-222 COMPOSITE (T-CG) (01) T1B3L(B3R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7420)	MDAC S-222 COMPOSITE (T-CG) (01) T1(B3L)B3R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

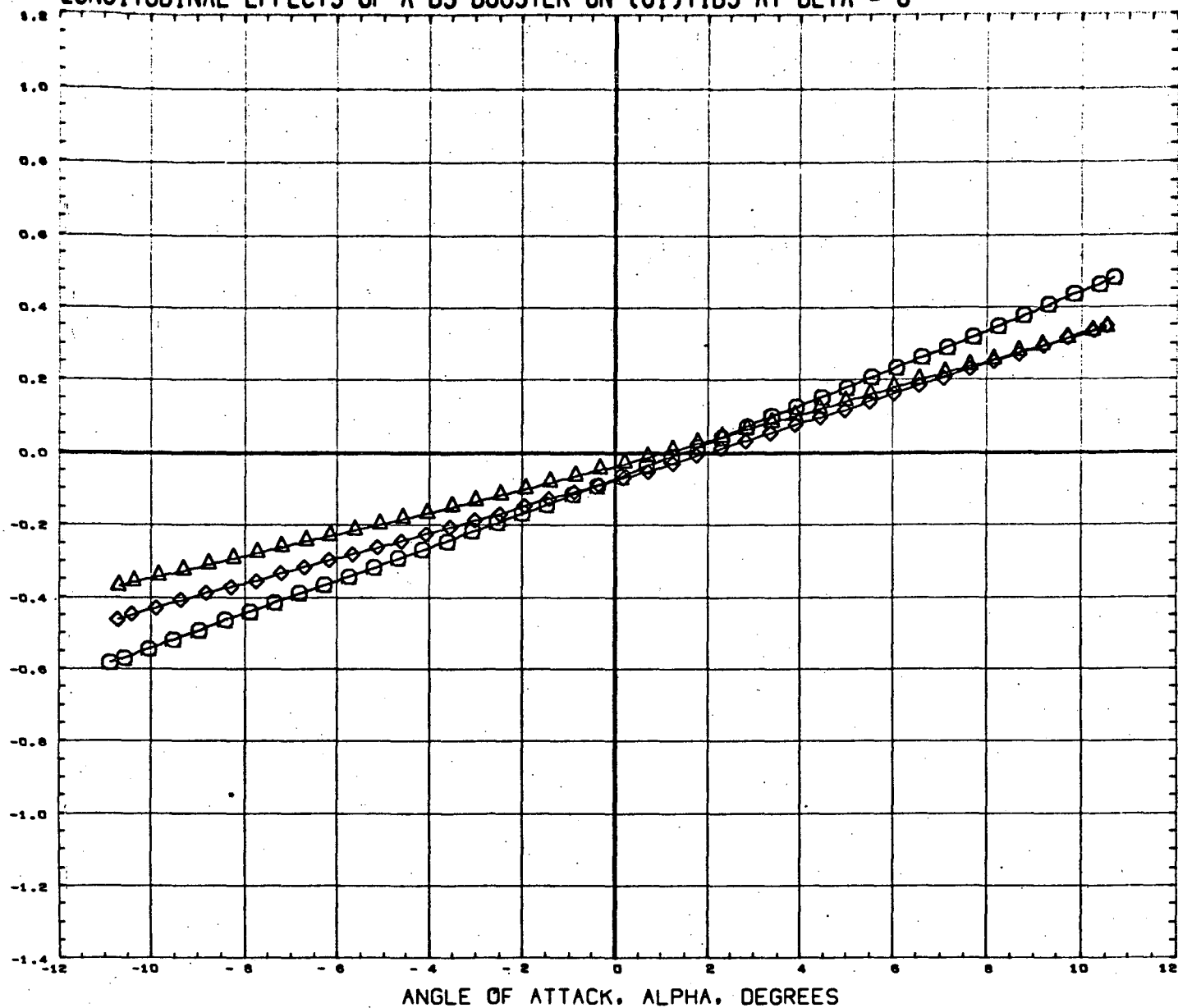
MACH 2.20

PAGE 526



# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 6

NORMAL FORCE COEFFICIENT, CN



ANGLE OF ATTACK, ALPHA, DEGREES

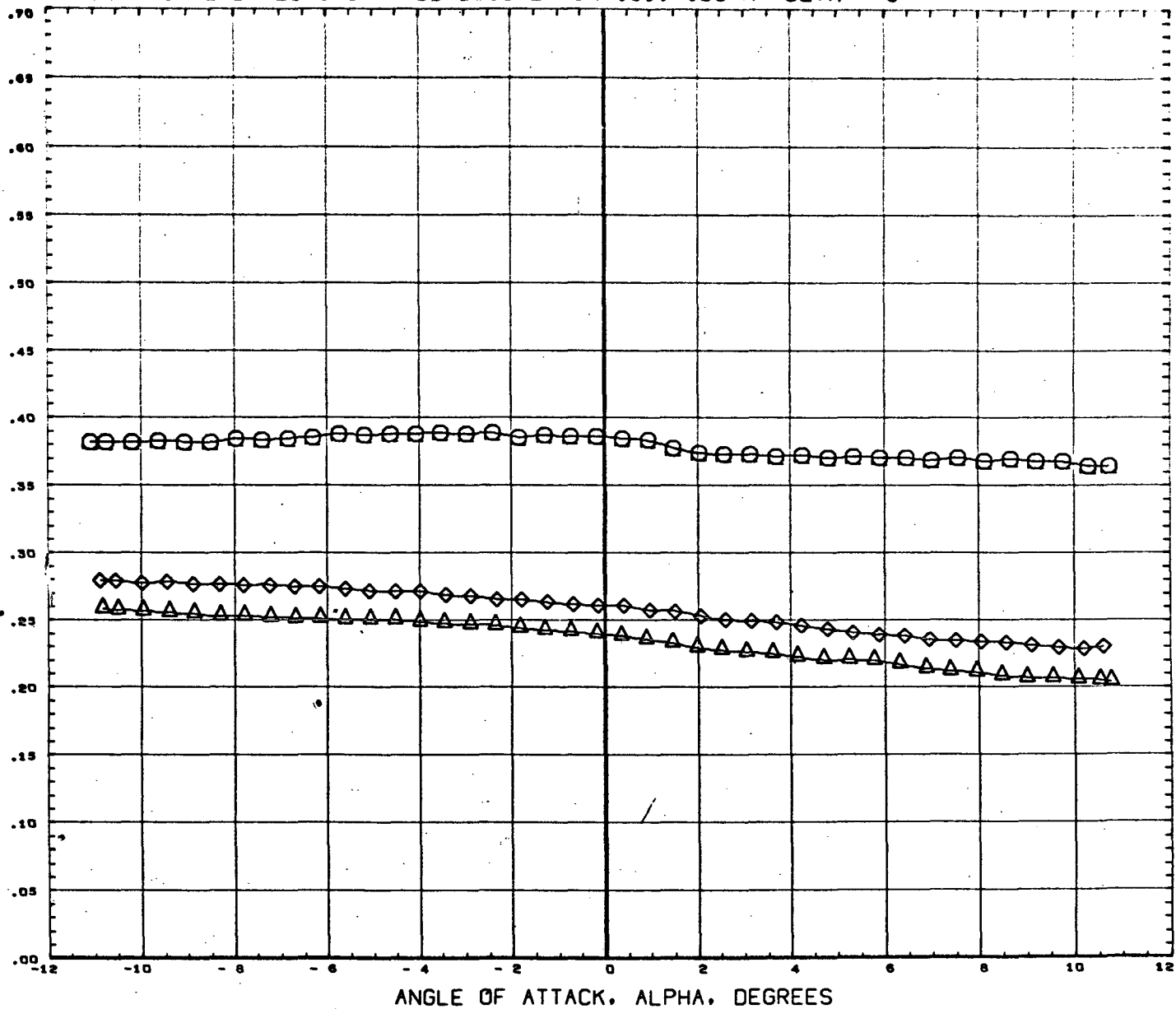
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07416)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07419)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3L(B3R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(C07420)	MDAC S-222 COMPOSITE (T-CG) (01)T1(B3L)B3R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 527

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 6

AXIAL FORCE COEFFICIENT, CA



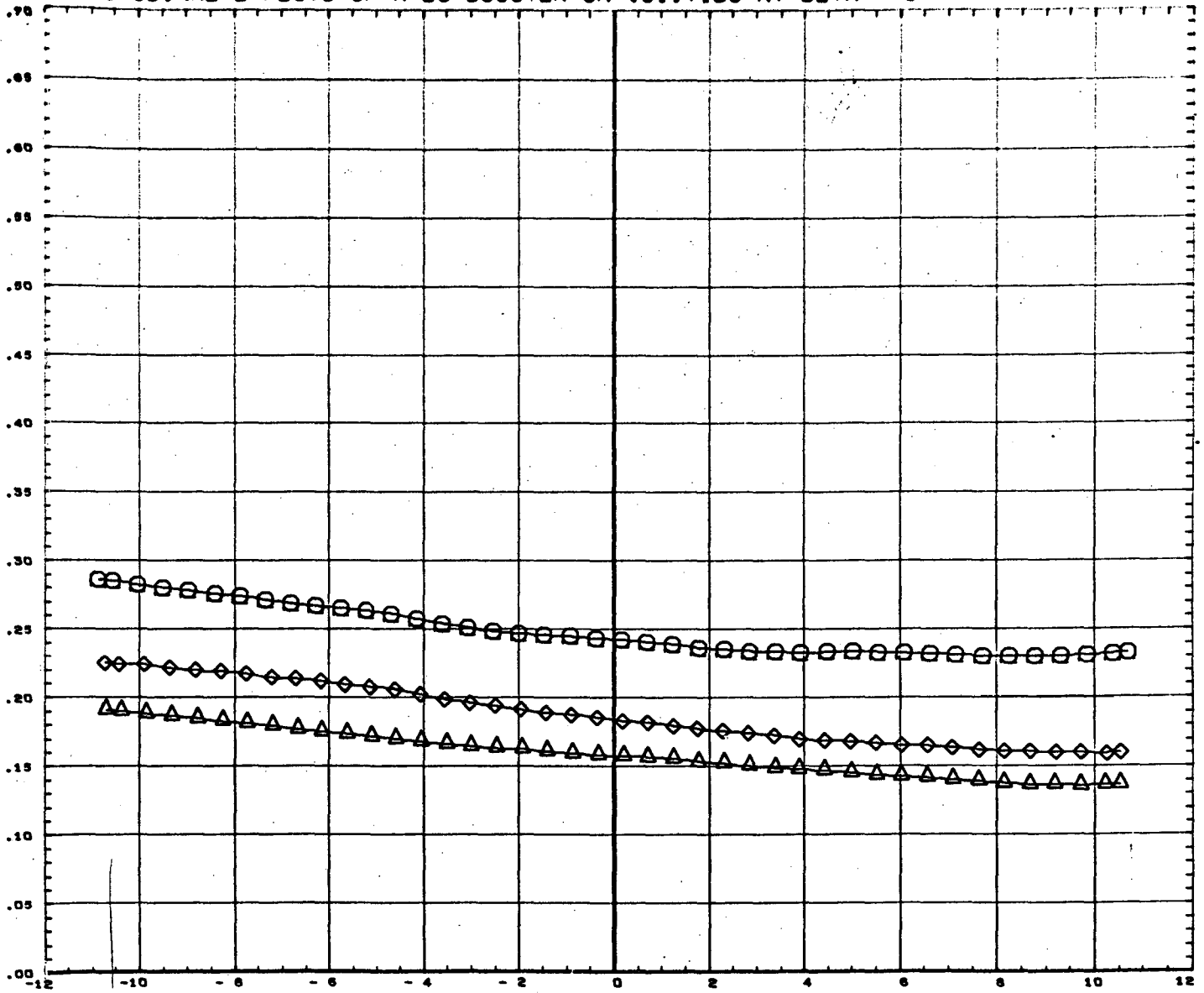
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7416)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7419)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3L(B3R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7420)	MDAC S-222 COMPOSITE (T-CG) (01)T1(B3L)B3R	6.000	0.000	0.000	0.000	SREF	882.0004 IN.
						XMRP	537.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 528

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 6

AXIAL FORCE COEFFICIENT, CA



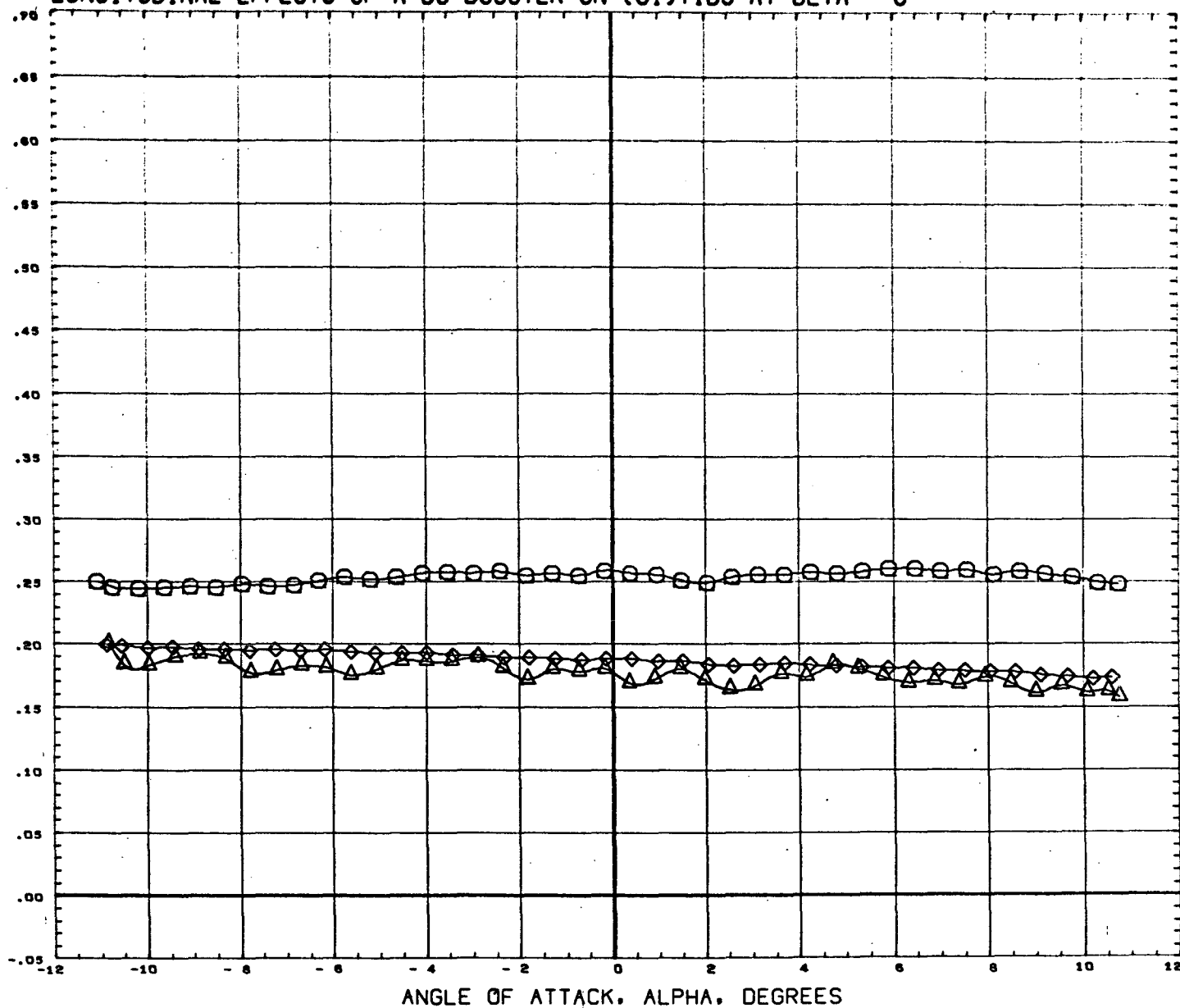
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7416)	○	MDAC S-222 COMPOSITE (T-CG) (01) T1B3	6.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD7419)	◇	MDAC S-222 COMPOSITE (T-CG) (01) T1B3L (B3R)	6.000	0.000	0.000	0.000	LREF	609.5004	IN.
(CD7420)	△	MDAC S-222 COMPOSITE (T-CG) (01) T1 (B3L) B3R	6.000	0.000	0.000	0.000	BREF	882.0004	IN.
							XMRP	557.0004	IN.
							YMRP	0.0000	IN.
							ZMRP	200.0004	IN.
							SCALE	0.0060	

MACH 4.47

PAGE 529

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T1B3 AT BETA = 6

FOREBODY AXIAL FORCE COEFFICIENT, CAF



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7416)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B3	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7419)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B3L(B3R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7420)	MDAC S-222 COMPOSITE (T-CG) (O1)T1(B3L)B3R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

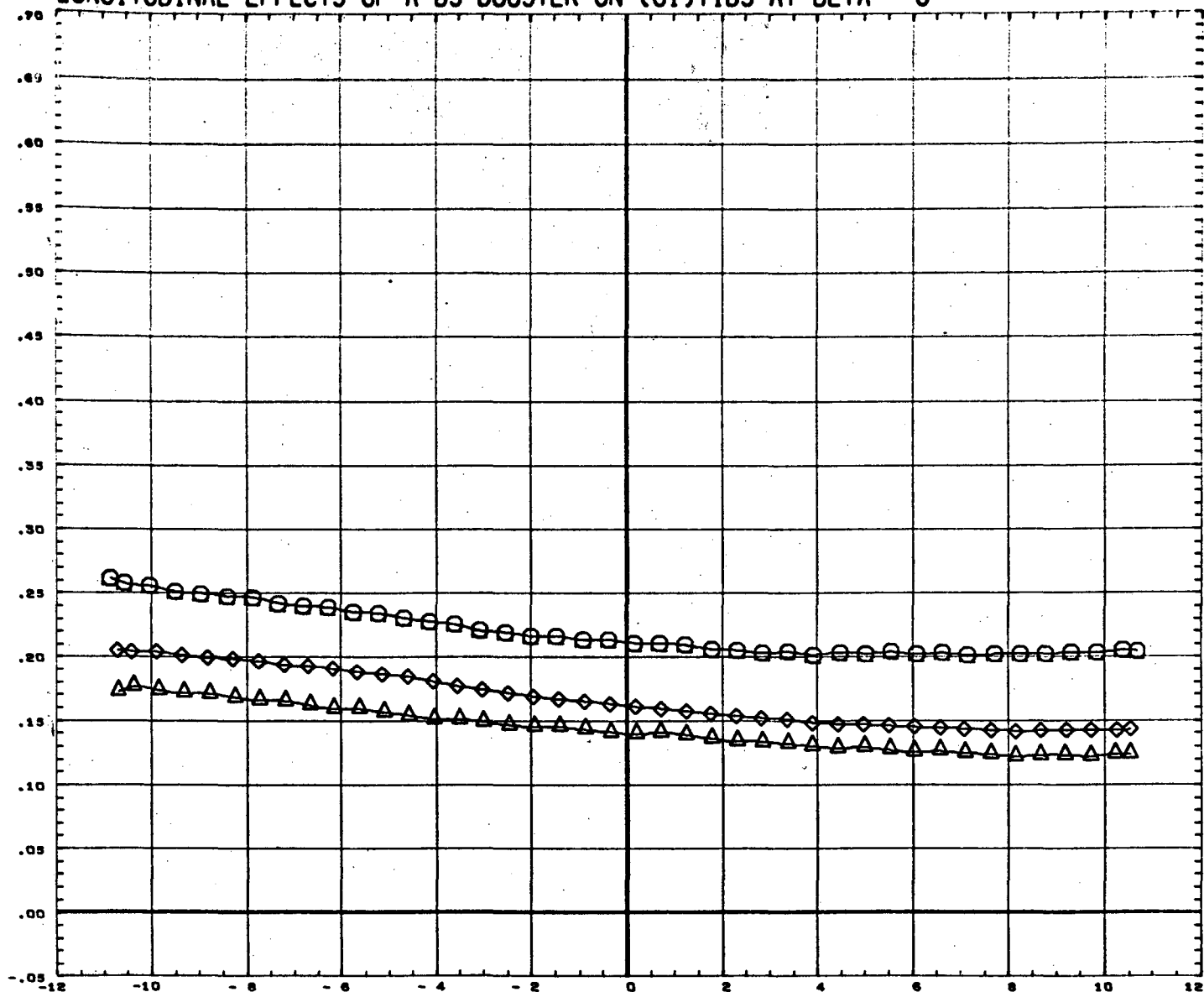
MACH

2.20

PAGE 530

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 6

FOREBODY AXIAL FORCE COEFFICIENT, CAF

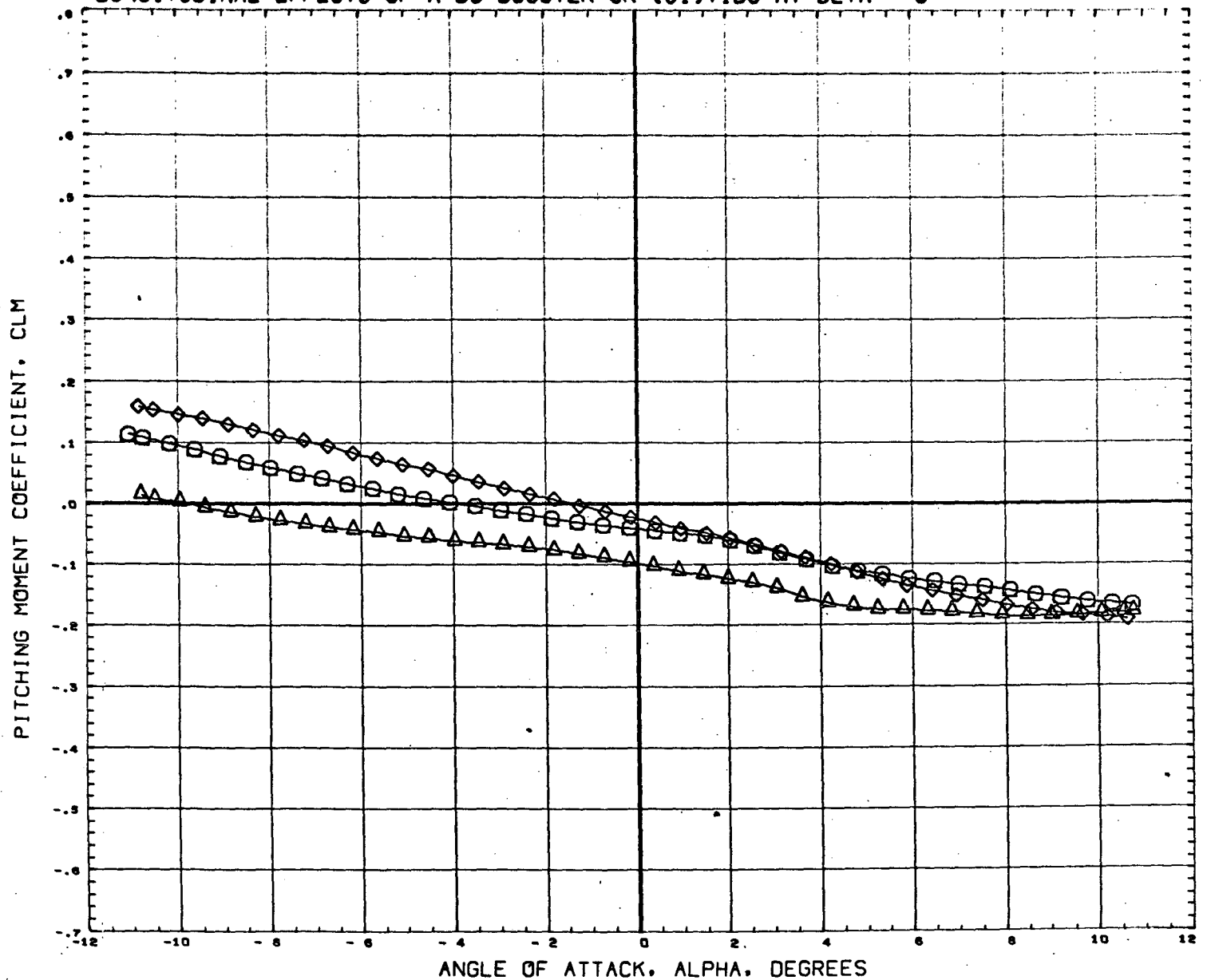


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7416)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7419)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3L (B3R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7420)	MDAC S-222 COMPOSITE (T-CG) (01)T1 (B3L)B3R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 531

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 6



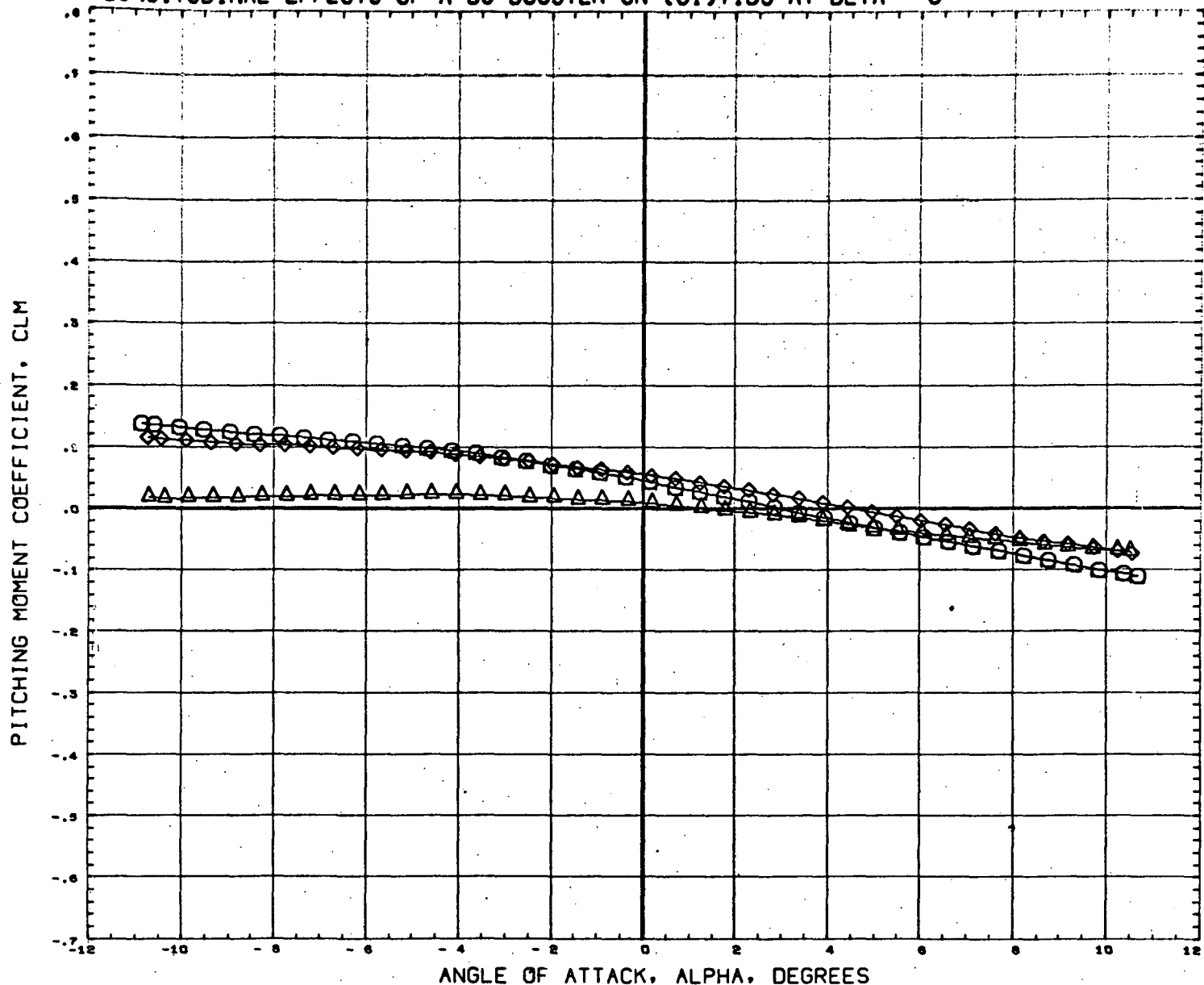
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7416)	MDAC S-222 COMPOSITE (T-CG) (01) T1B3	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7419)	MDAC S-222 COMPOSITE (T-CG) (01) T1B3L(B3R)	6.000	0.000	0.000	0.000	LREF	609.3004 IN.
(CD7420)	MDAC S-222 COMPOSITE (T-CG) (01) T1(B3L)B3R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 532

C 8

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T1B3 AT BETA = 6



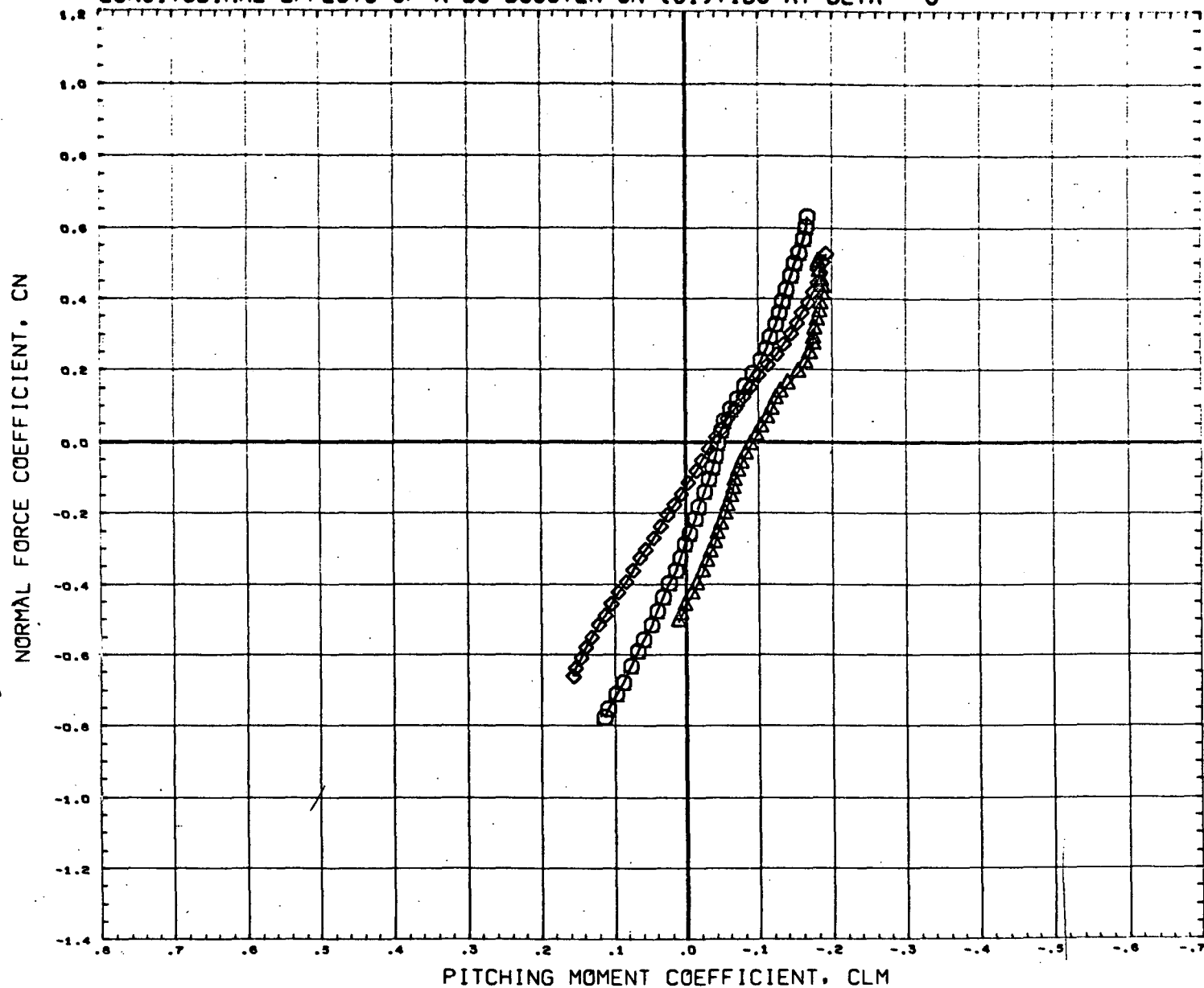
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7416)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B3	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7419)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B3L (B3R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7420)	MDAC S-222 COMPOSITE (T-CG) (O1)T1 (B3L)B3R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	537.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH

4.47

PAGE 533

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 6



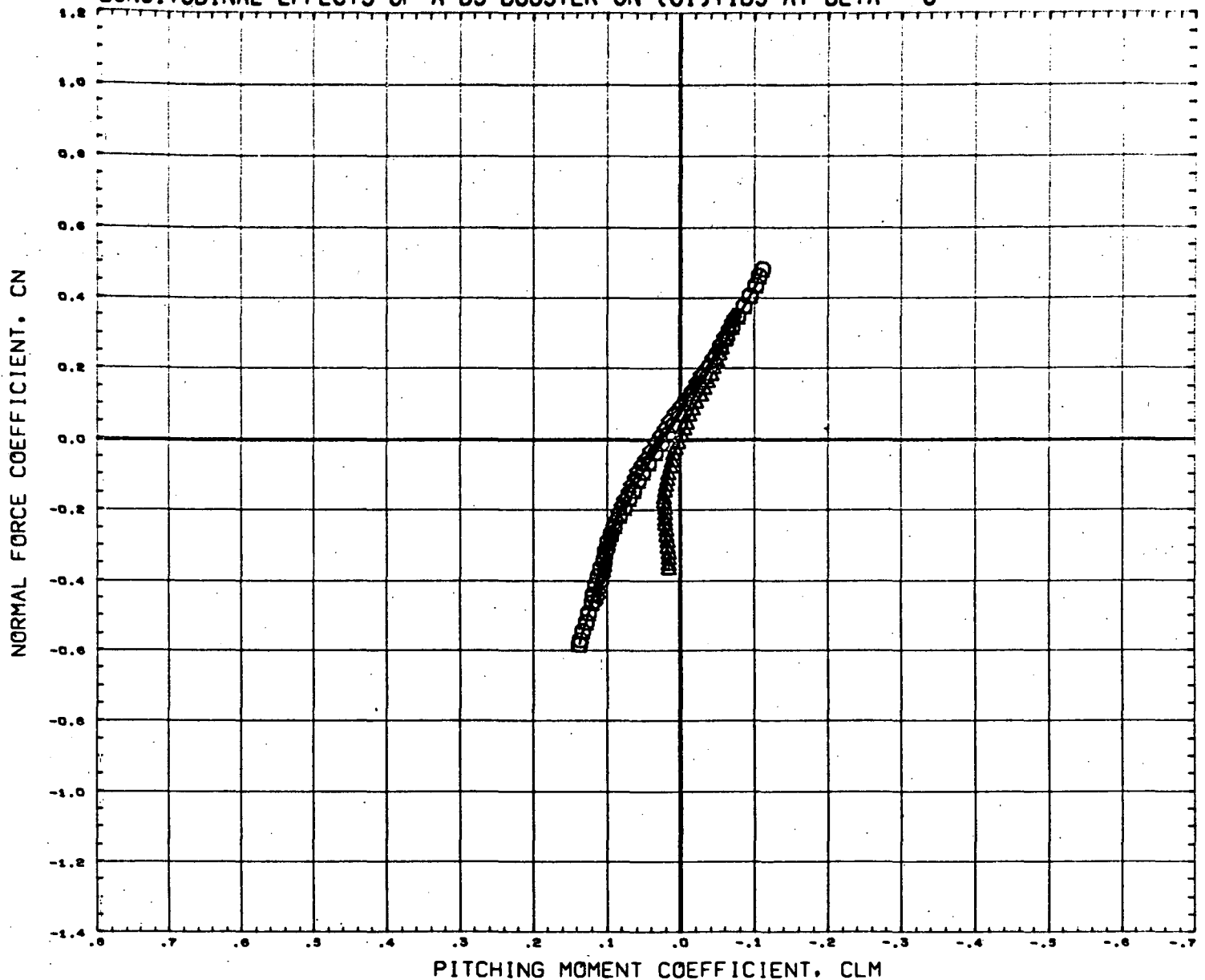
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07416)	MDAC S-222 COMPOSITE (T-CG) (01) T1B3	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07419)	MDAC S-222 COMPOSITE (T-CG) (01) T1B3L (B3R)	6.000	0.000	0.000	0.000	LREF	609.3004 IN.
(C07420)	MDAC S-222 COMPOSITE (T-CG) (01) T1 (B3L)B3R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 534



# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 6

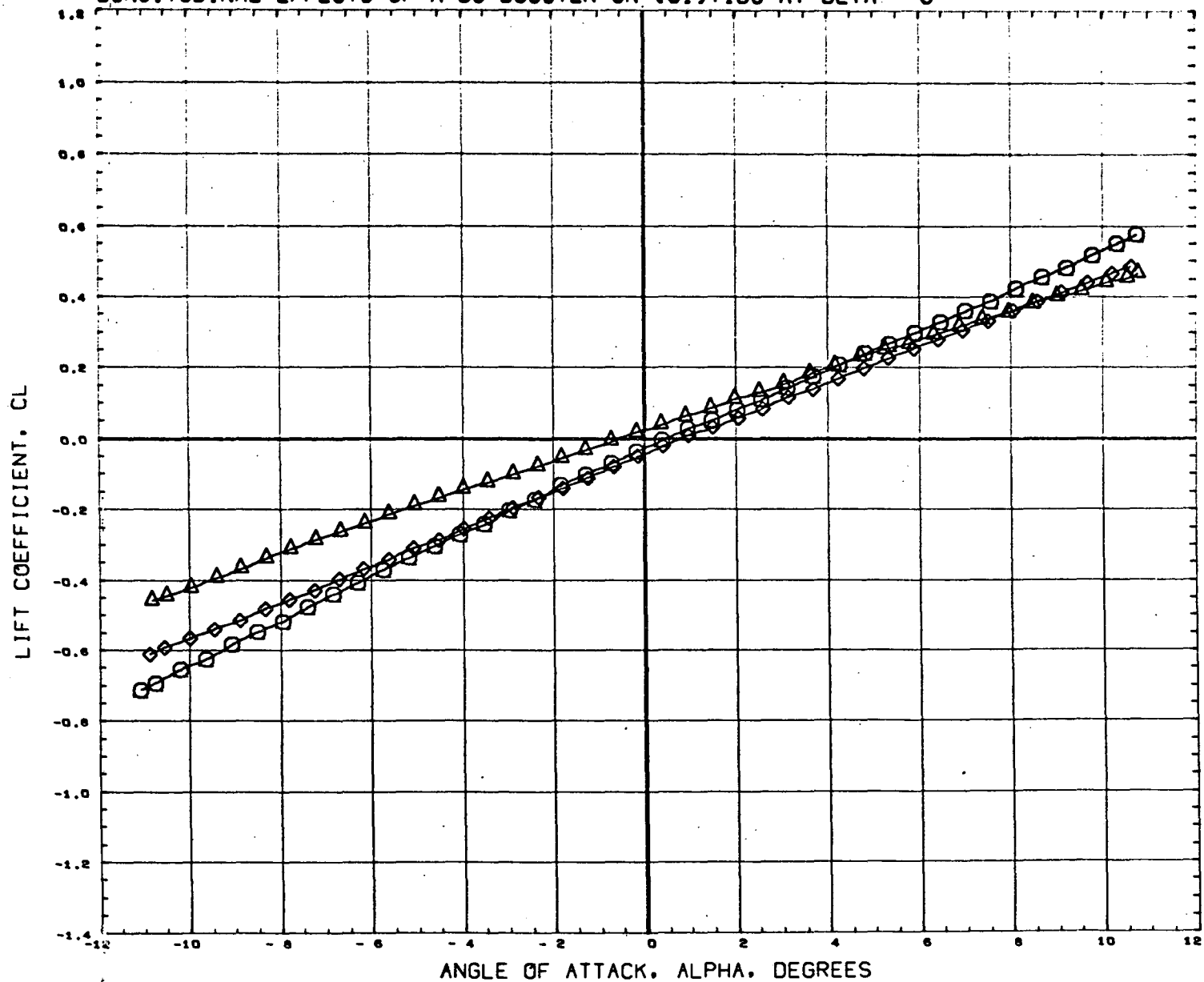


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07416)	○	MDAC S-222 COMPOSITE (T-C6) (01)T1B3	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07419)	△	MDAC S-222 COMPOSITE (T-C6) (01)T1B3L(B3R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(C07420)	◇	MDAC S-222 COMPOSITE (T-C6) (01)T1(B3L)B3R	6.000	0.000	0.000	0.000	BREF	862.0004 IN.
							XMRF	557.0004 IN.
							YMRF	0.0000 IN.
							ZMRF	200.0004 IN.
							SCALE	0.0060

MACH 4.47

PAGE 535

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T1B3 AT BETA = 6

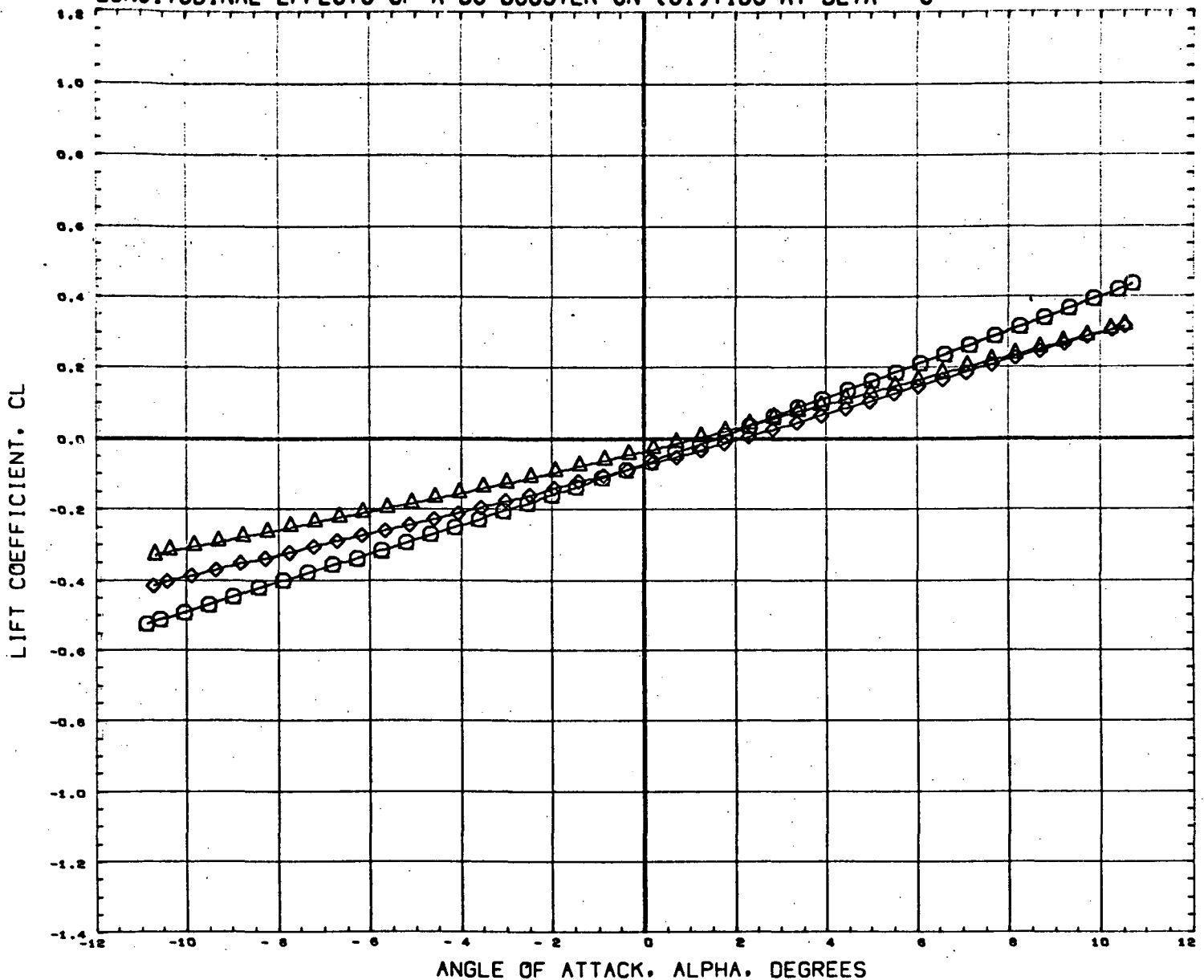


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7416)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B3	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7419)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B3L(B3R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7420)	MDAC S-222 COMPOSITE (T-CG) (O1)T1(B3L)B3R	6.000	0.000	0.000	0.000	BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 536

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T1B3 AT BETA = 6



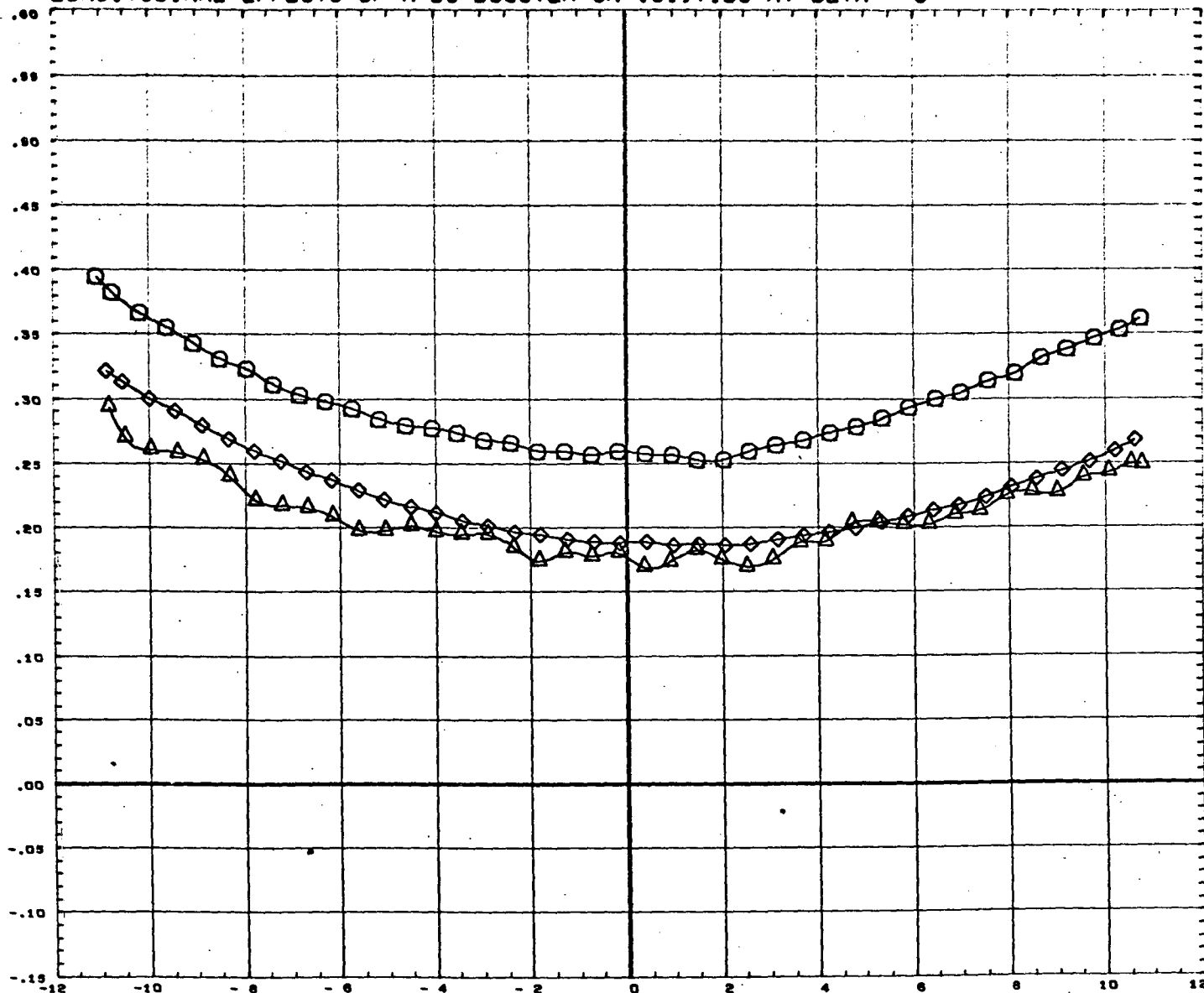
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7416)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B3	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7419)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B3L (B3R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7420)	MDAC S-222 COMPOSITE (T-CG) (O1)T1 (B3L)B3R	6.000	0.000	0.000	0.000	BREF	682.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 537

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 6

FOREBODY DRAG COEFFICIENT, CDF



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7416)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7419)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3L(B3R)	6.000	0.000	0.000	0.000	LREF	609.3004 IN.
(CD7420)	MDAC S-222 COMPOSITE (T-CG) (01)T1(B3L)B3R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

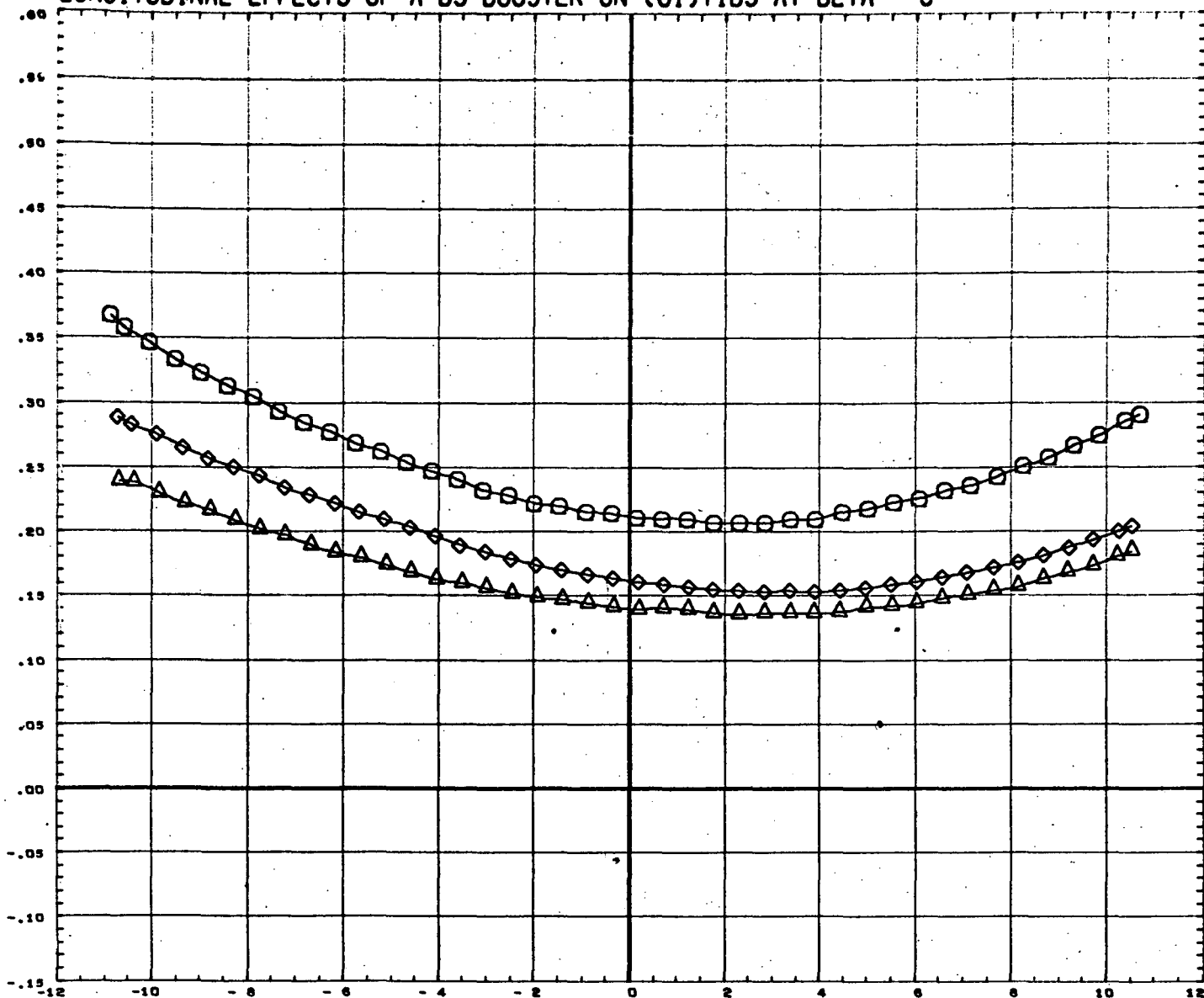
MACH

2.20

PAGE 538

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 6

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7416) (01)T1B3  
 (CD7419) (01)T1B3L (B3R)  
 (CD7420) (01)T1 (B3L) B3R

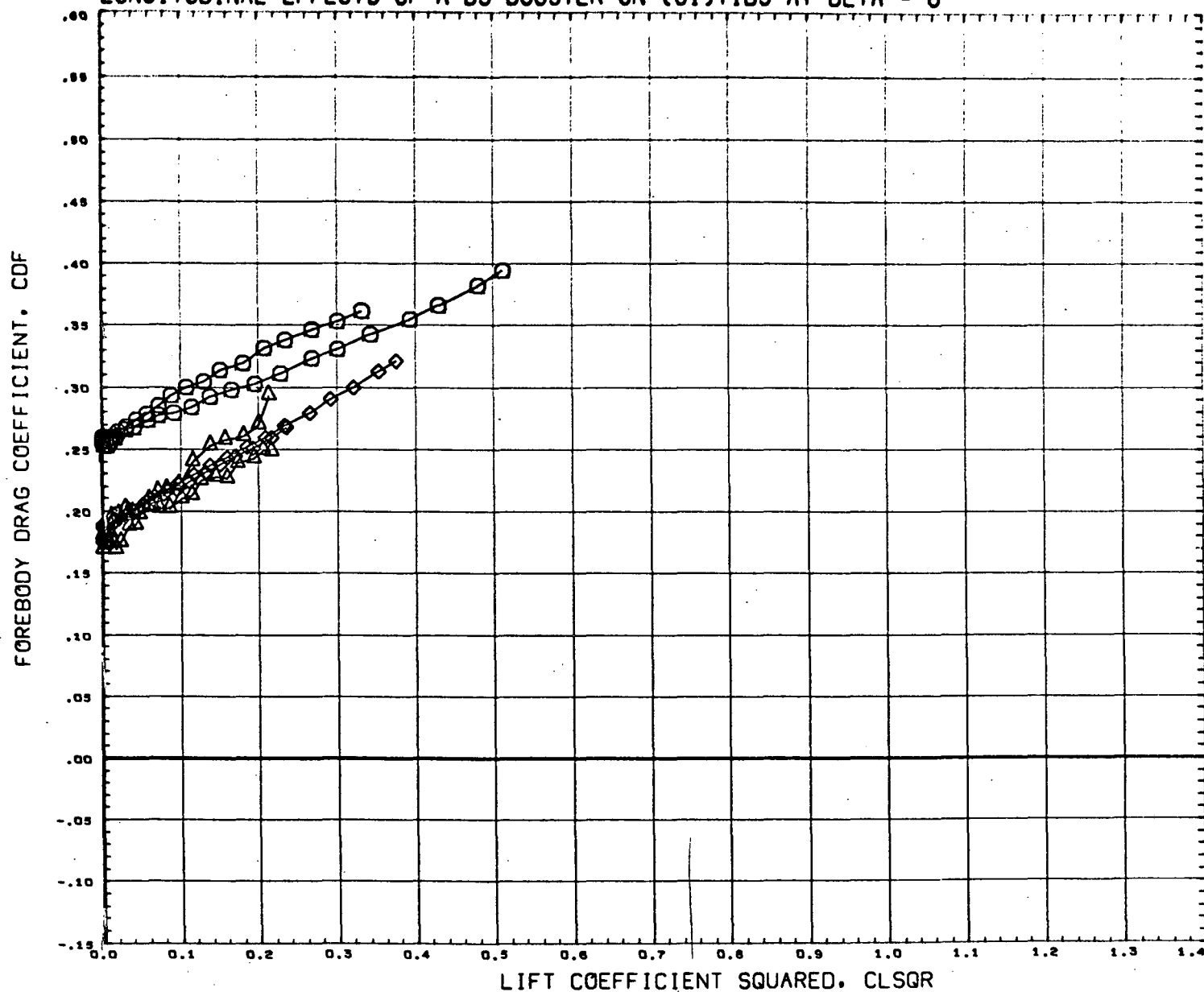
BETA ELEVTR AILRON RUDDER  
 6.000 0.000 0.000 0.000  
 6.000 0.000 0.000 0.000  
 6.000 0.000 0.000 0.000

REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 862.0004 IN.  
 XMRP 537.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH 4.47

PAGE 539

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 6



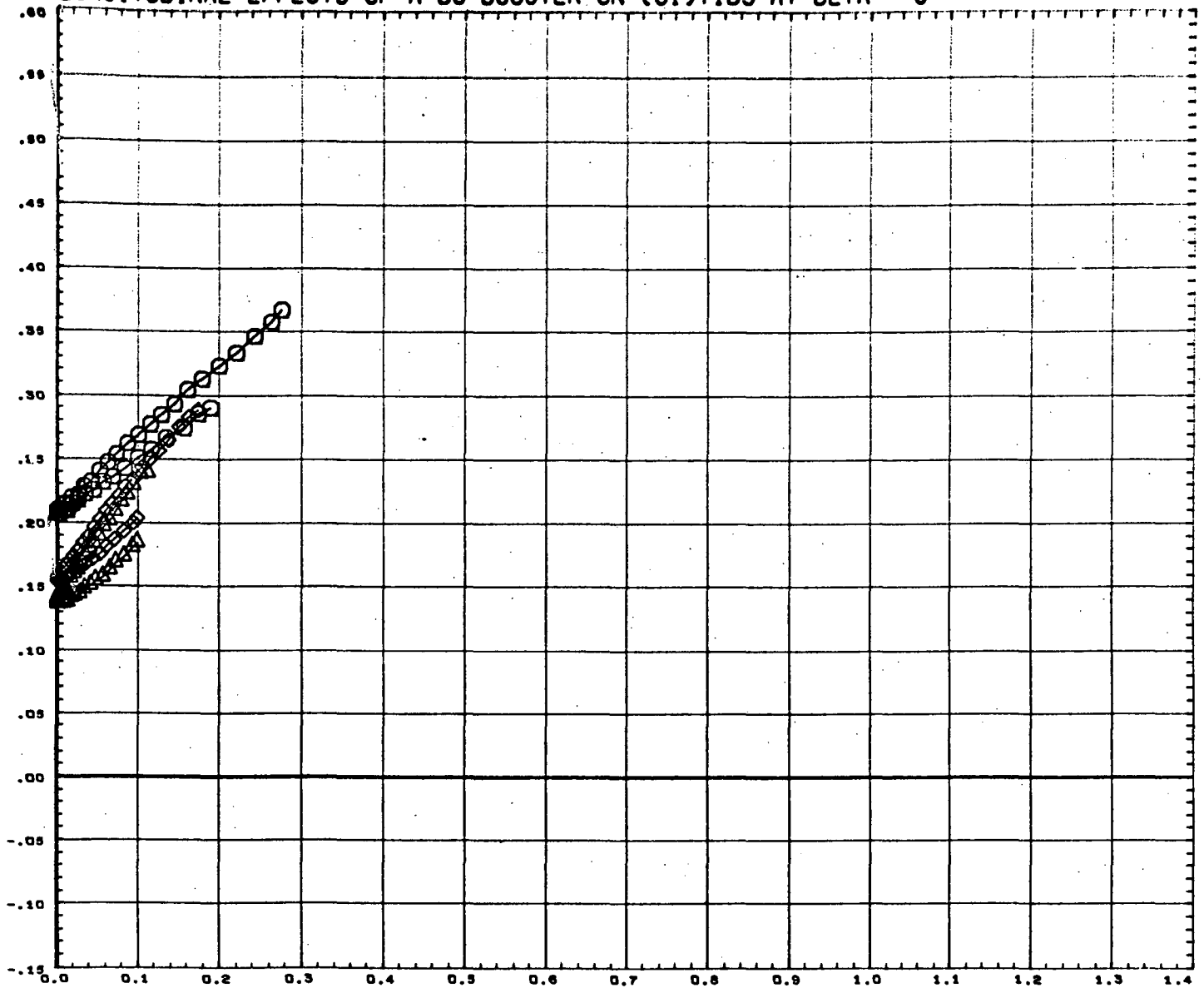
DATA SET, SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7416)	MDAC S-222 COMPOSITE (T-CG) (01) T1B3	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7419)	MDAC S-222 COMPOSITE (T-CG) (01) T1B3L(B3R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7420)	MDAC S-222 COMPOSITE (T-CG) (01) T1(B3L)B3R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 540

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 6

FOREBODY DRAG COEFFICIENT, CDF



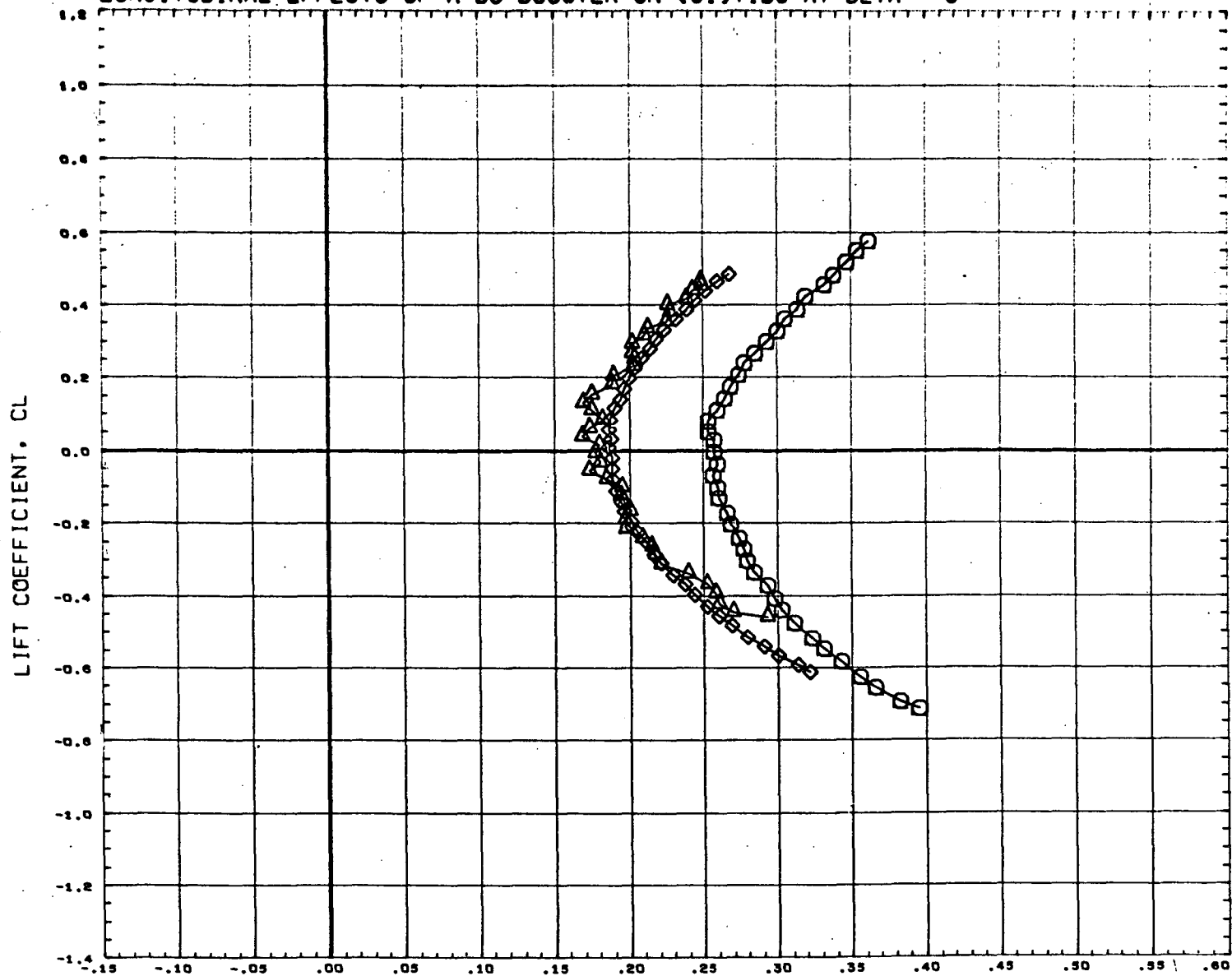
LIFT COEFFICIENT SQUARED, CLSQ

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7416)	MDAC S-222 COMPOSITE (T-CG) (01) T1B3	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7419)	MDAC S-222 COMPOSITE (T-CG) (01) T1B3L (B3R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7420)	MDAC S-222 COMPOSITE (T-CG) (01) T1 (B3L) B3R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060




MACH 4.47

PAGE 541

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 6



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C07416)  MDAC S-222 COMPOSITE (T-CG) (01) T1B3  
 (C07419)  MDAC S-222 COMPOSITE (T-CG) (01) T1B3L (B3R)  
 (C07420)  MDAC S-222 COMPOSITE (T-CG) (01) T1 (B3L) B3R

BETA ELEVTR AILRON RUDDER  
 6.000 0.000 0.000 0.000  
 6.000 0.000 0.000 0.000  
 6.000 0.000 0.000 0.000

REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 862.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

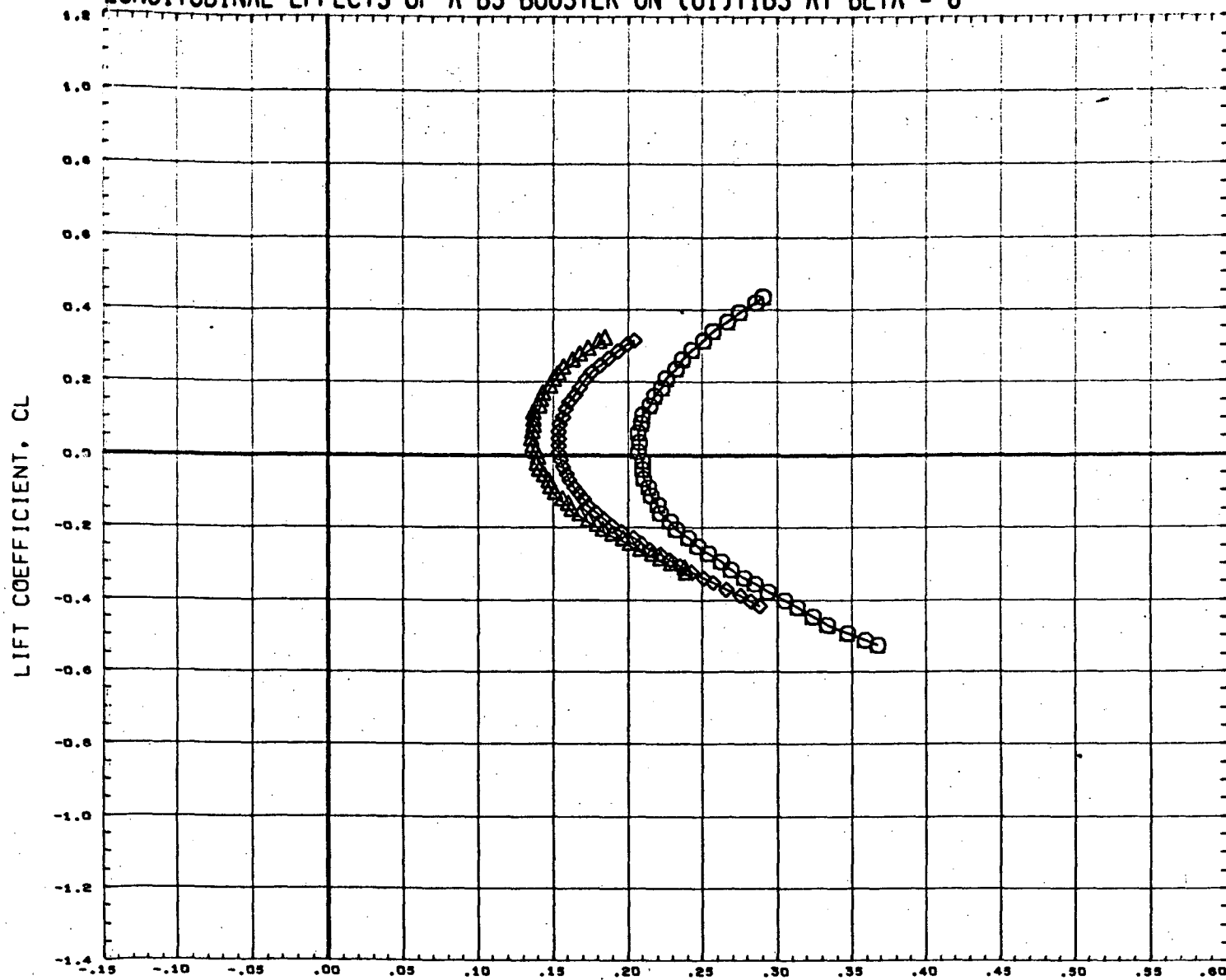
MACH

2.20

PAGE 542



# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 6



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7416)	○	MDAC S-222 COMPOSITE (T-CG) (01)T1B3
(CD7419)	△	MDAC S-222 COMPOSITE (T-CG) (01)T1B3L (B3R)
(CD7420)	◇	MDAC S-222 COMPOSITE (T-CG) (01)T1 (B3L)B3R

FOREBODY DRAG COEFFICIENT, CDF

BETA	ELEVTR	AILRON	RUDDER
6.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000

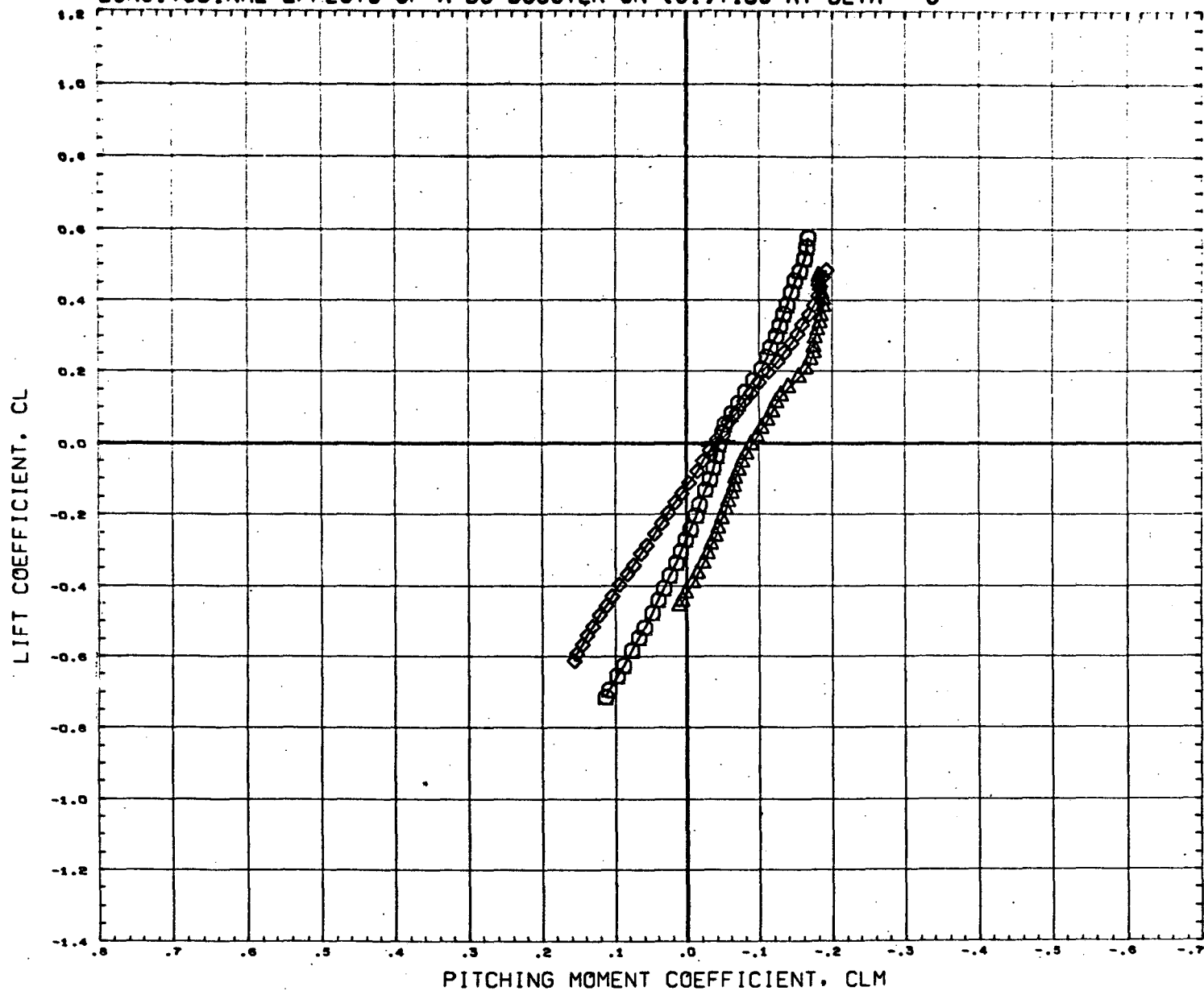
REFERENCE INFORMATION

SREF	3155.3040	SQ. FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH 4.47

PAGE 543

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 6



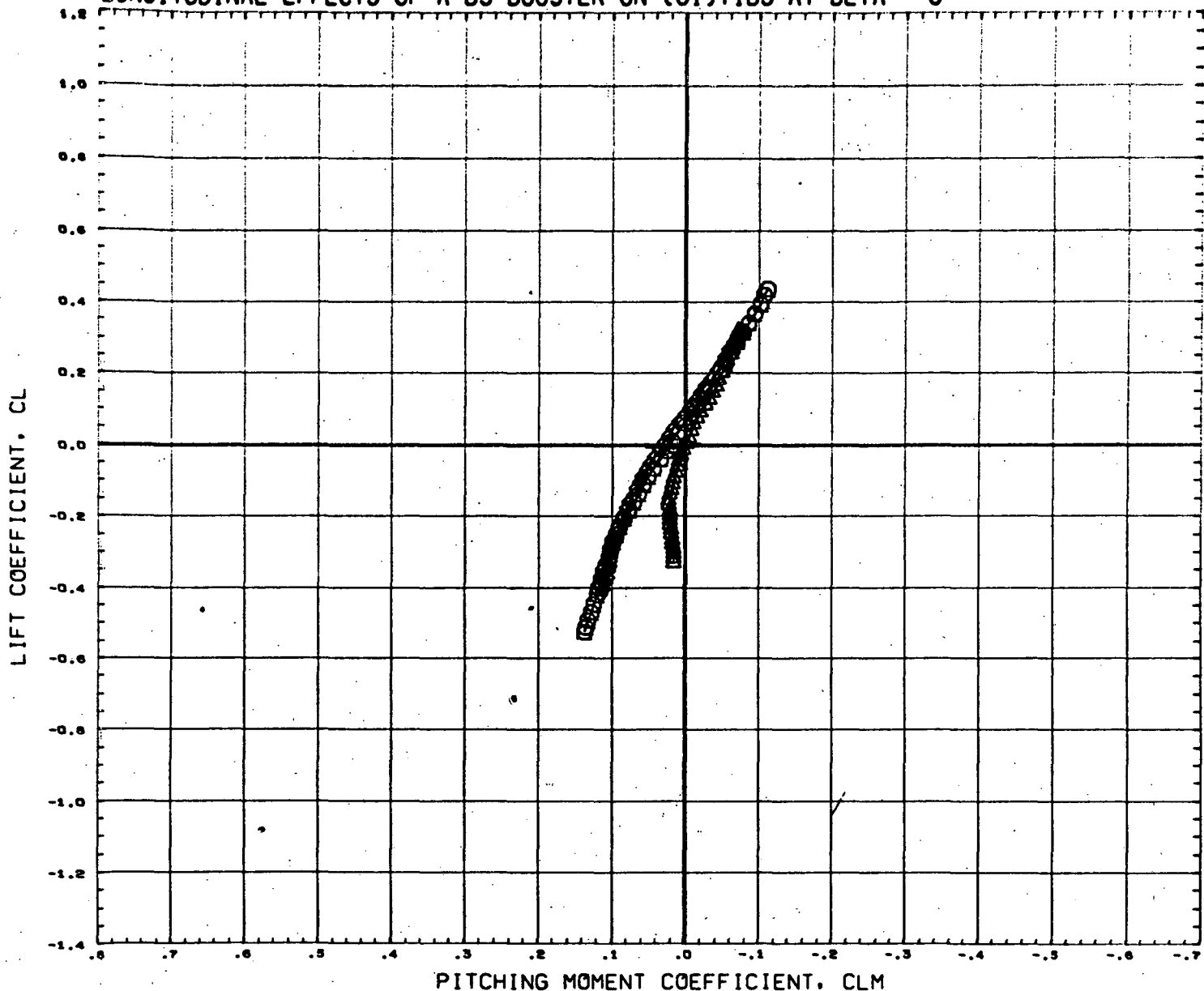
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7416)	MDAC S-222 COMPOSITE (T-CG) (01) T1B3	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7419)	MDAC S-222 COMPOSITE (T-CG) (01) T1B3L (B3R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7420)	MDAC S-222 COMPOSITE (T-CG) (01) T1 (B3L)B3R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH

2.20

PAGE 544

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 6



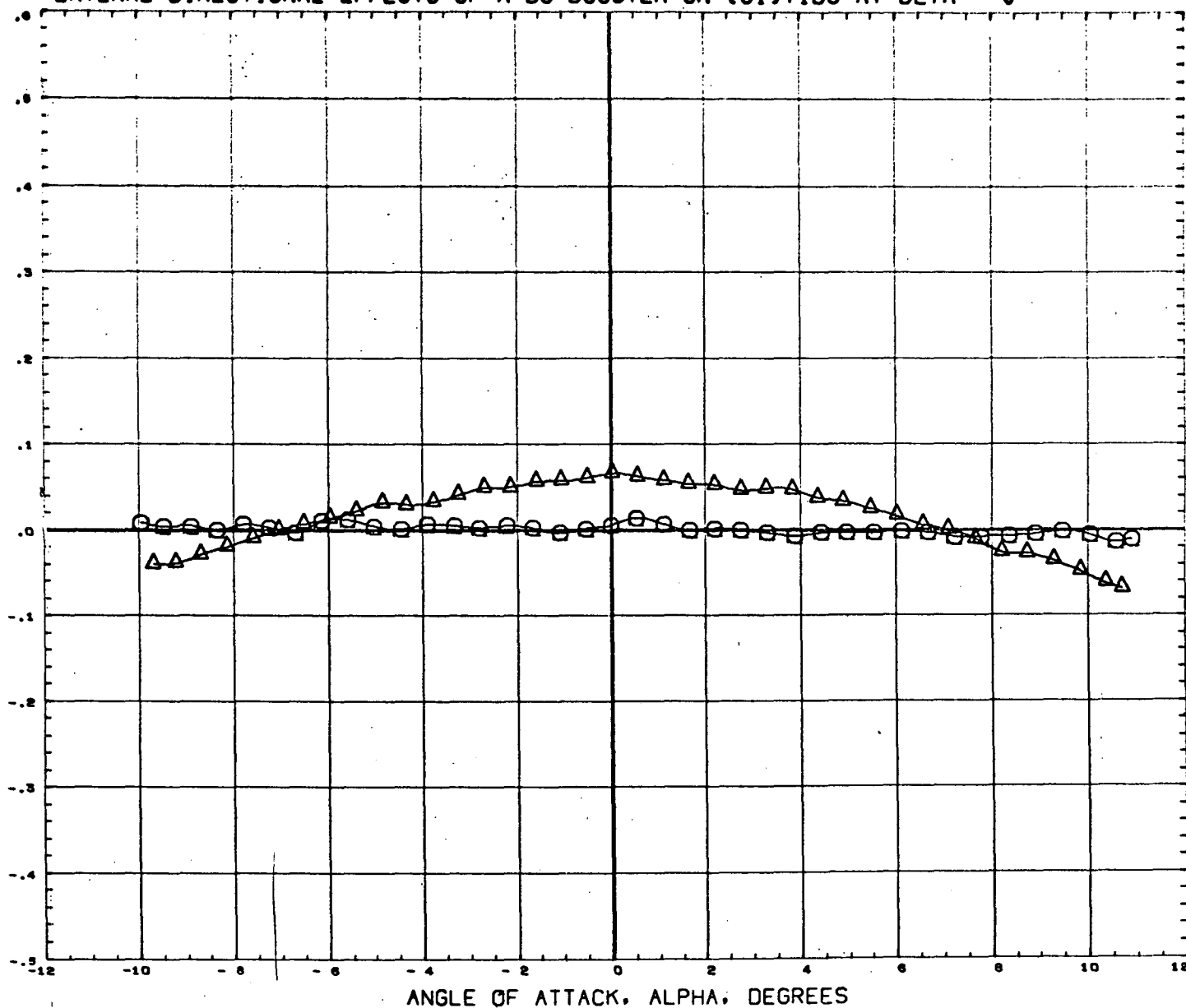
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07416)	○	MDAC S-222 COMPOSITE (T-CG) (01) T1B3	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07419)	△	MDAC S-222 COMPOSITE (T-CG) (01) T1B3L (B3R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(C07420)	◇	MDAC S-222 COMPOSITE (T-CG) (01) T1 (B3L)B3R	6.000	0.000	0.000	0.000	BREF	682.0004 IN.
							XMRP	557.0004 IN.
							YMRP	0.0000 IN.
							ZMRP	200.0004 IN.
							SCALE	0.0060

MACH 4.47

PAGE 545

# LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0

LATERAL FORCE COEFFICIENT, CY



ANGLE OF ATTACK, ALPHA, DEGREES

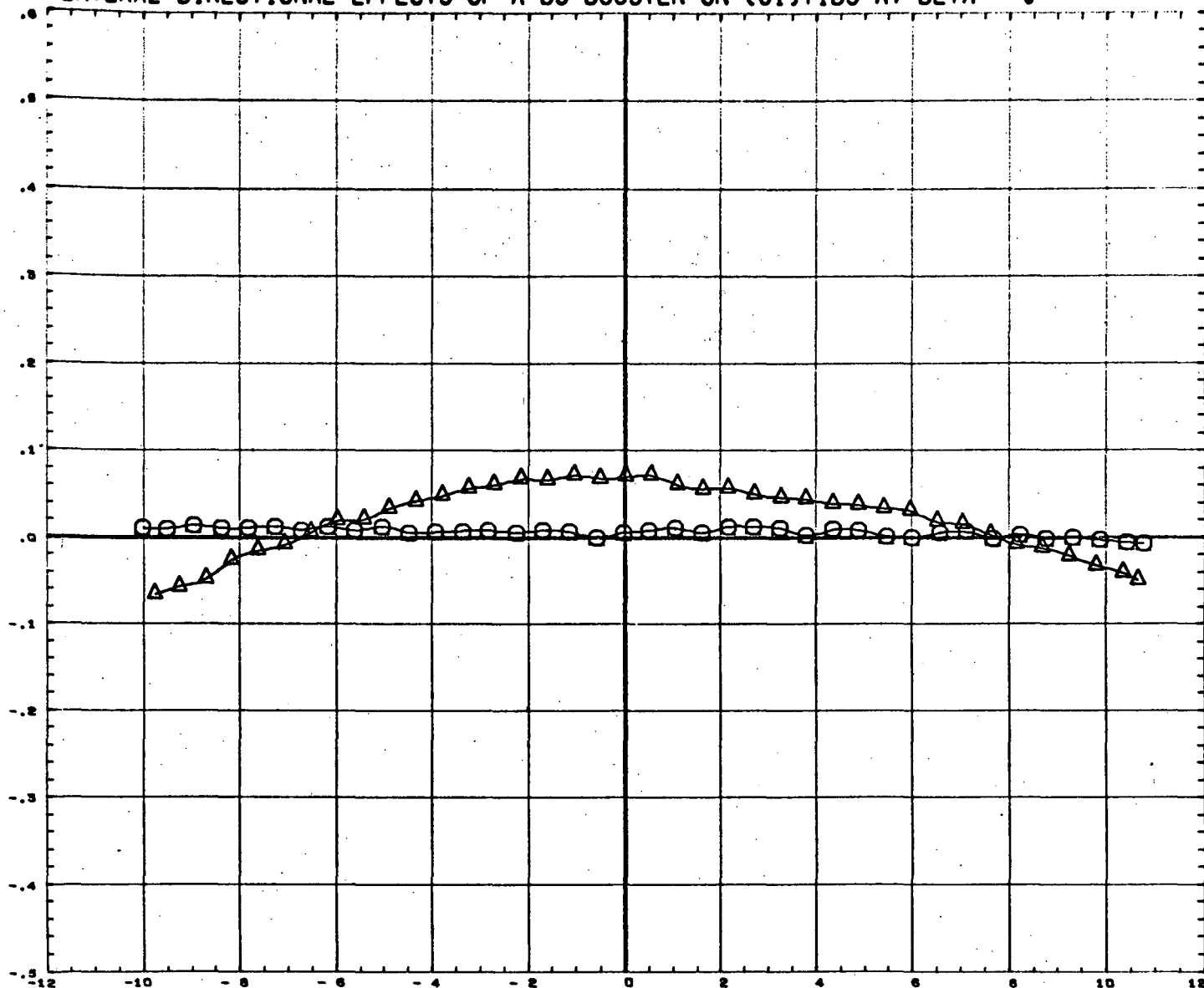
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7414)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7417)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 546

# LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0

LATERAL FORCE COEFFICIENT, CY



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RD7414) MDAC S-222 COMPOSITE (T-CG) (01)T1B3  
 (RD7417) MDAC S-222 COMPOSITE (T-CG) (01)T1B3L (B3R)

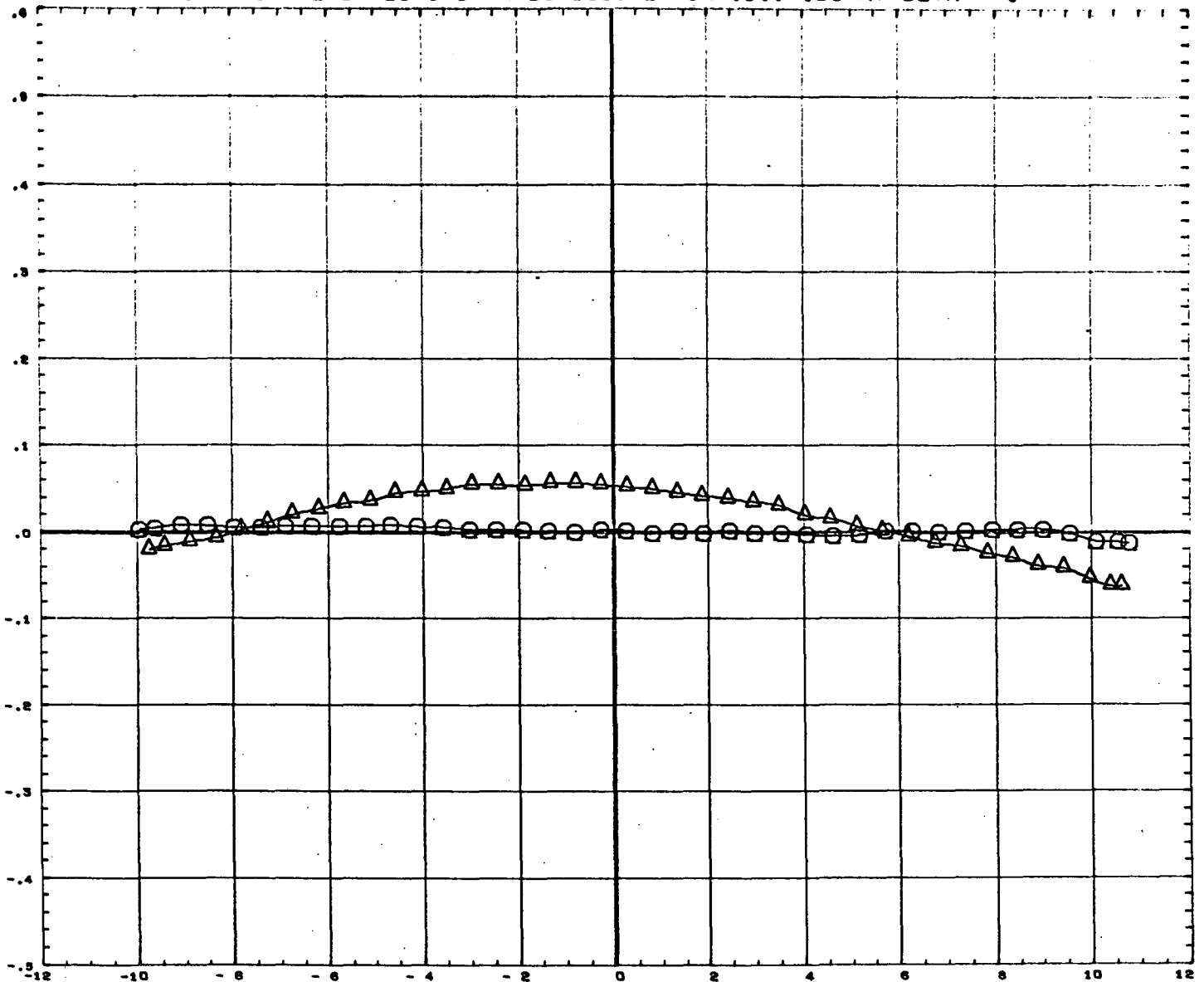
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	862.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.10

PAGE 547

# LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0

LATERAL FORCE COEFFICIENT, CY



ANGLE OF ATTACK, ALPHA, DEGREES

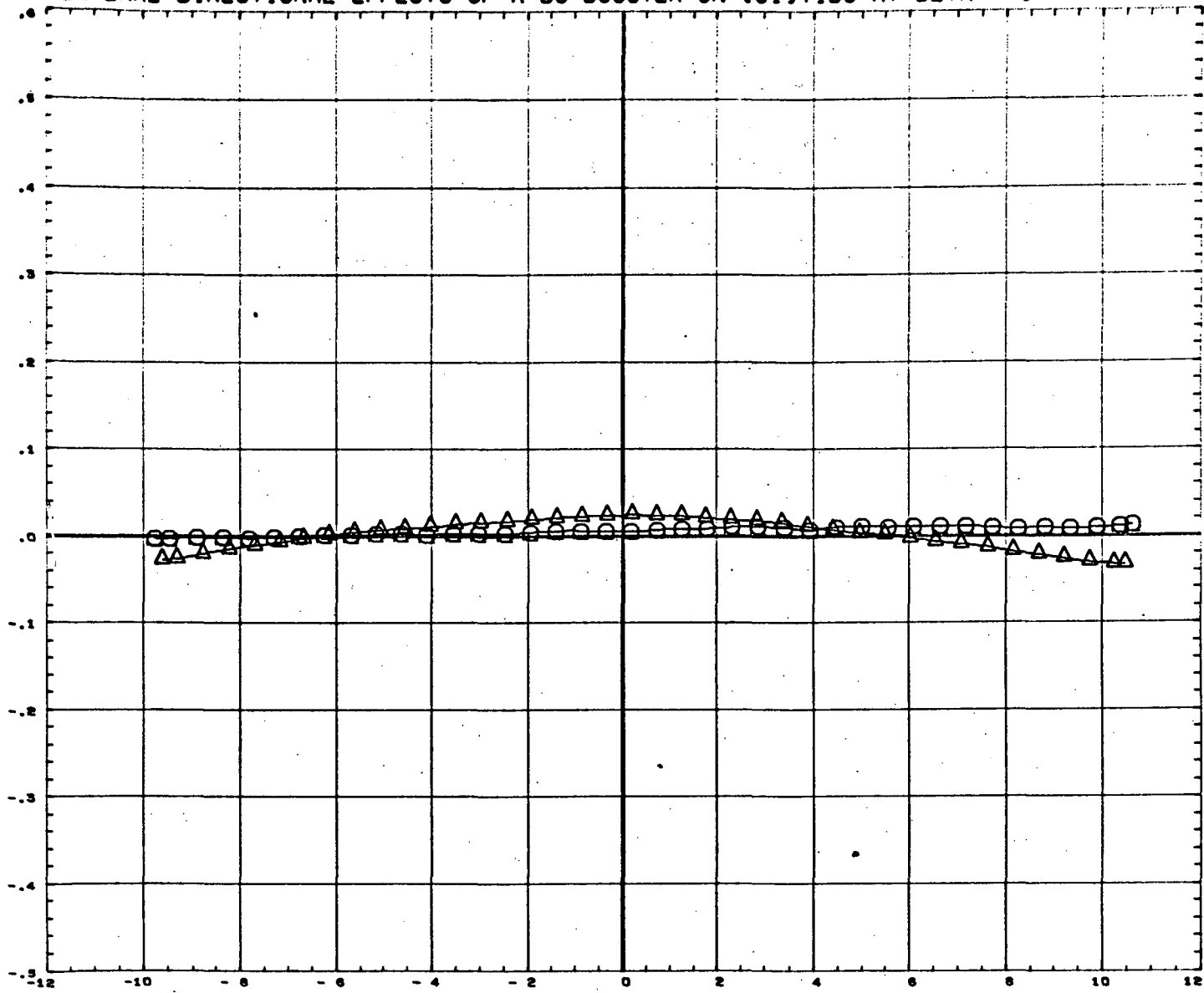
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7414)	MDAC S-222 COMPOSITE (T-C6) (01) T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7417)	MDAC S-222 COMPOSITE (T-C6) (01) T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 548

# LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0

LATERAL FORCE COEFFICIENT, CY



ANGLE OF ATTACK, ALPHA, DEGREES

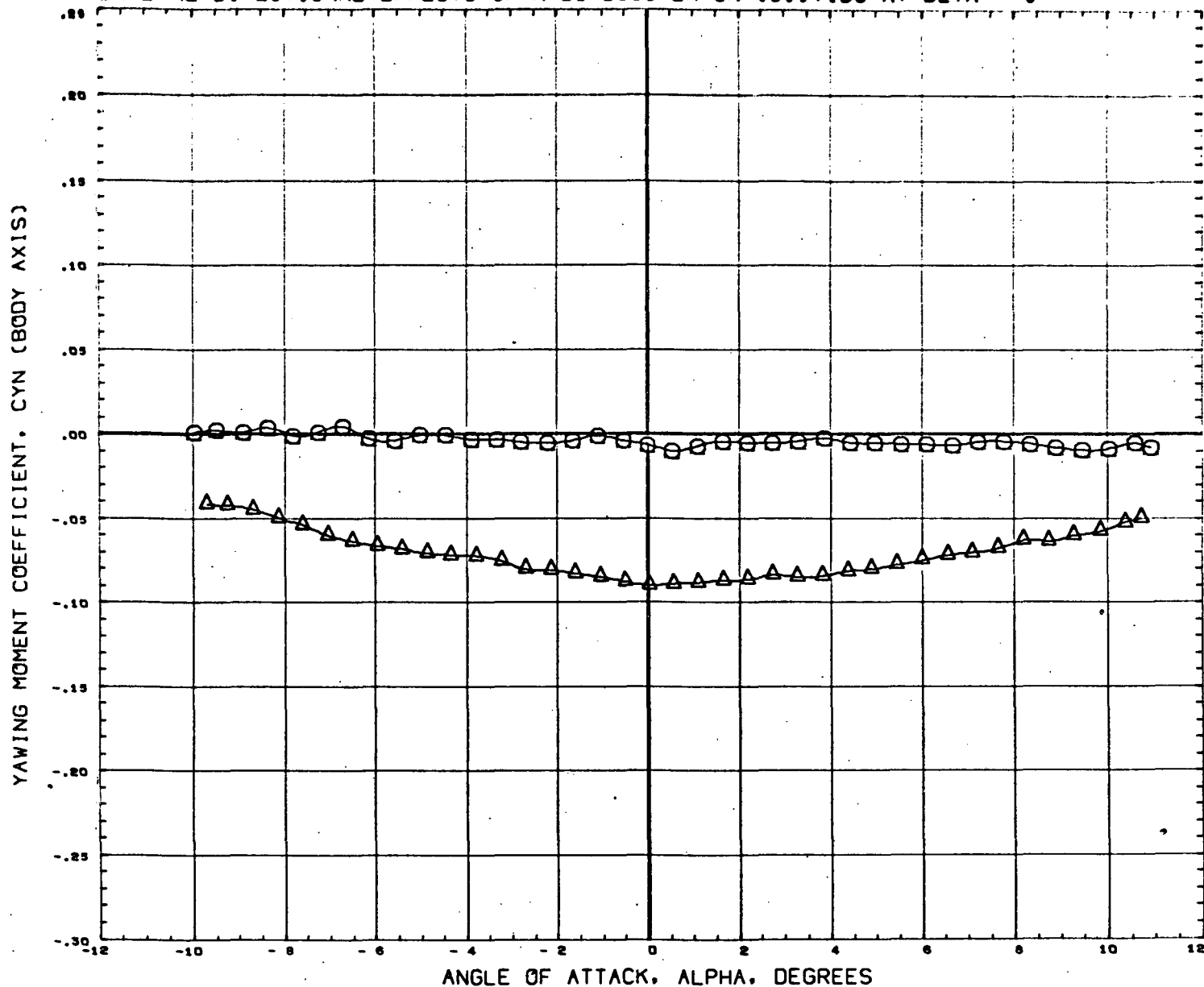
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(R07414)	○	MDAC S-222 COMPOSITE (T-CG) (01)T1B3
(R07417)	△	MDAC S-222 COMPOSITE (T-CG) (01)T1B3L (B3R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

PAGE 549

# LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7414)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7417)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

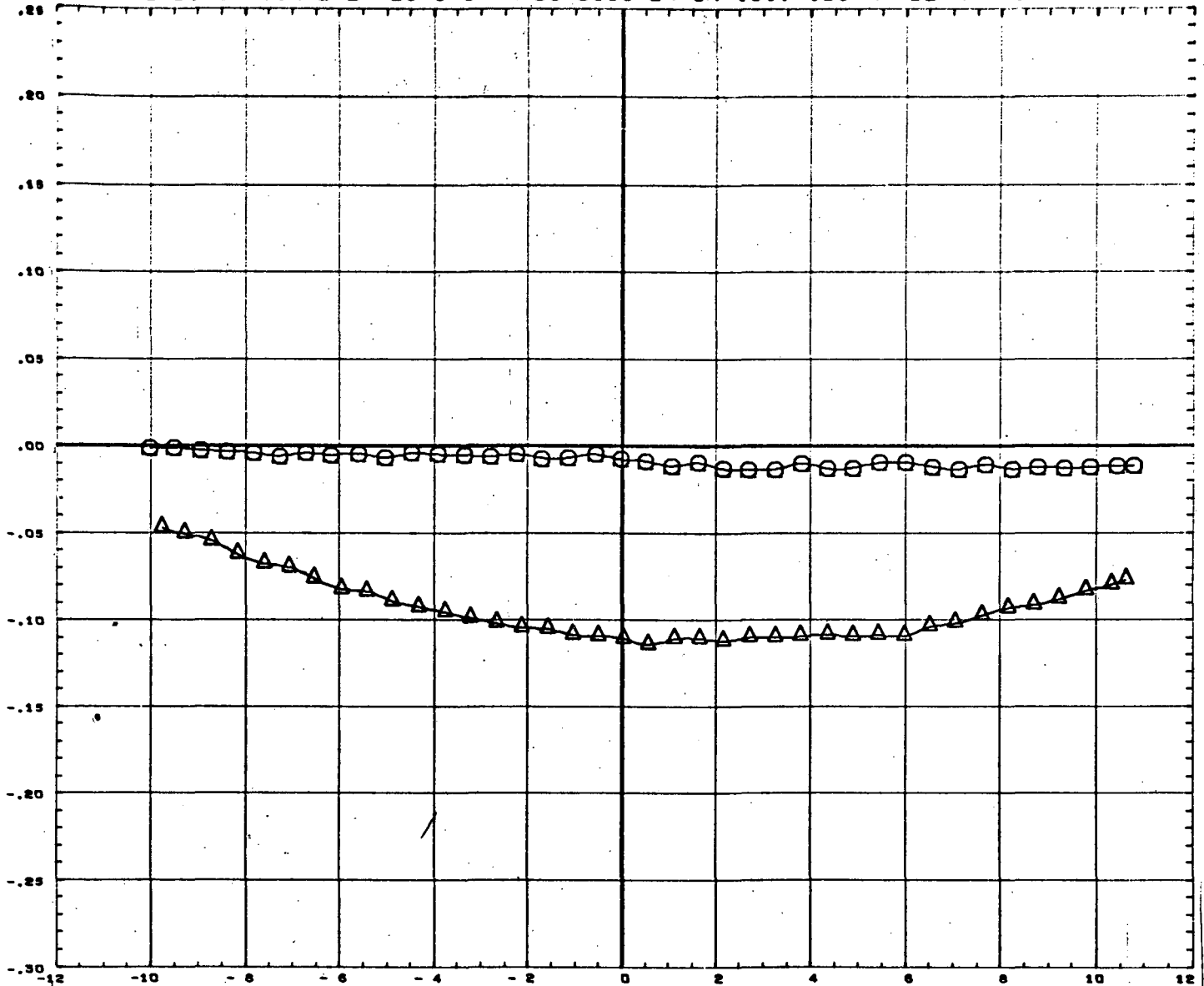
MACH .90

PAGE 550



# LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

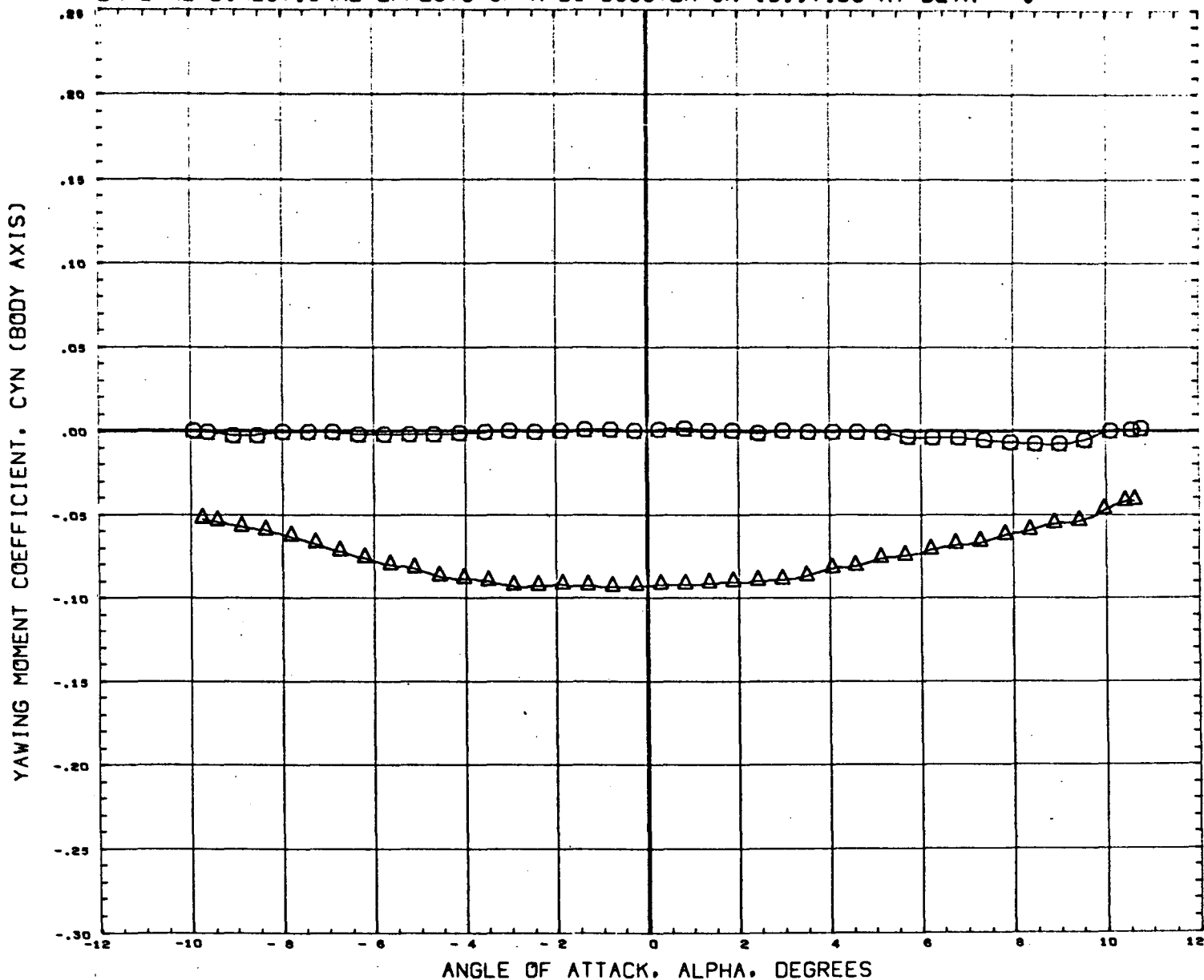
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RD7414)  MDAC S-222 COMPOSITE (T-C6) (01)T1B3  
 (RD7417)  MDAC S-222 COMPOSITE (T-C6) (01)T1B3L (B3R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	882.0004 IN.
				XMRF	337.0004 IN.
				YMRF	0.0000 IN.
				ZMRF	200.0004 IN.
				SCALE	0.0060

MACH 1.10

PAGE 551

# LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0

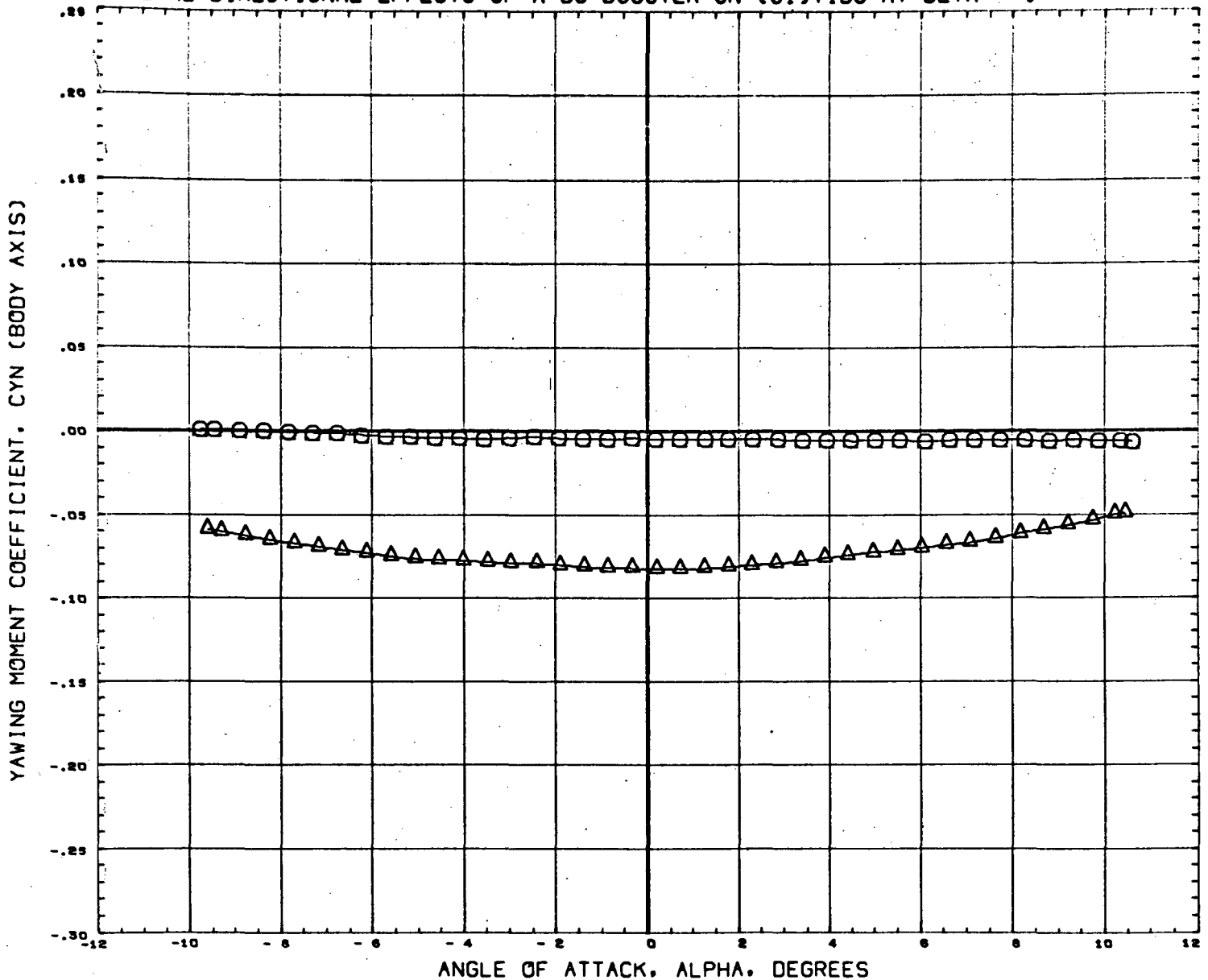


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7414)	MDAC S-222 COMPOSITE (T-C6) (01)T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7417)	MDAC S-222 COMPOSITE (T-C6) (01)T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 552

# LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0



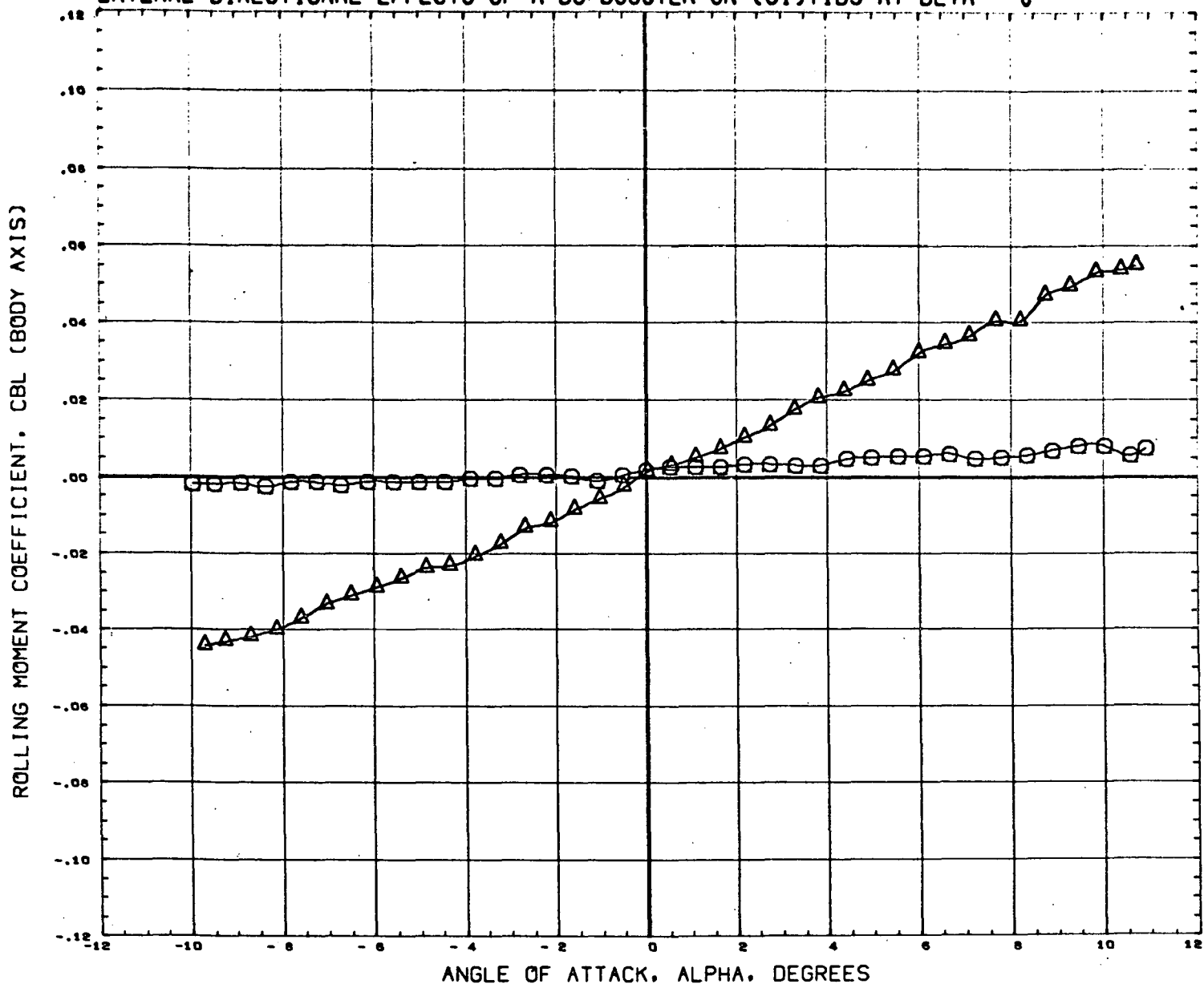
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD7414)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3
(RD7417)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3L (B3R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF 609.5004 IN.
				BREF 882.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH 4.47

PAGE 553

# LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0

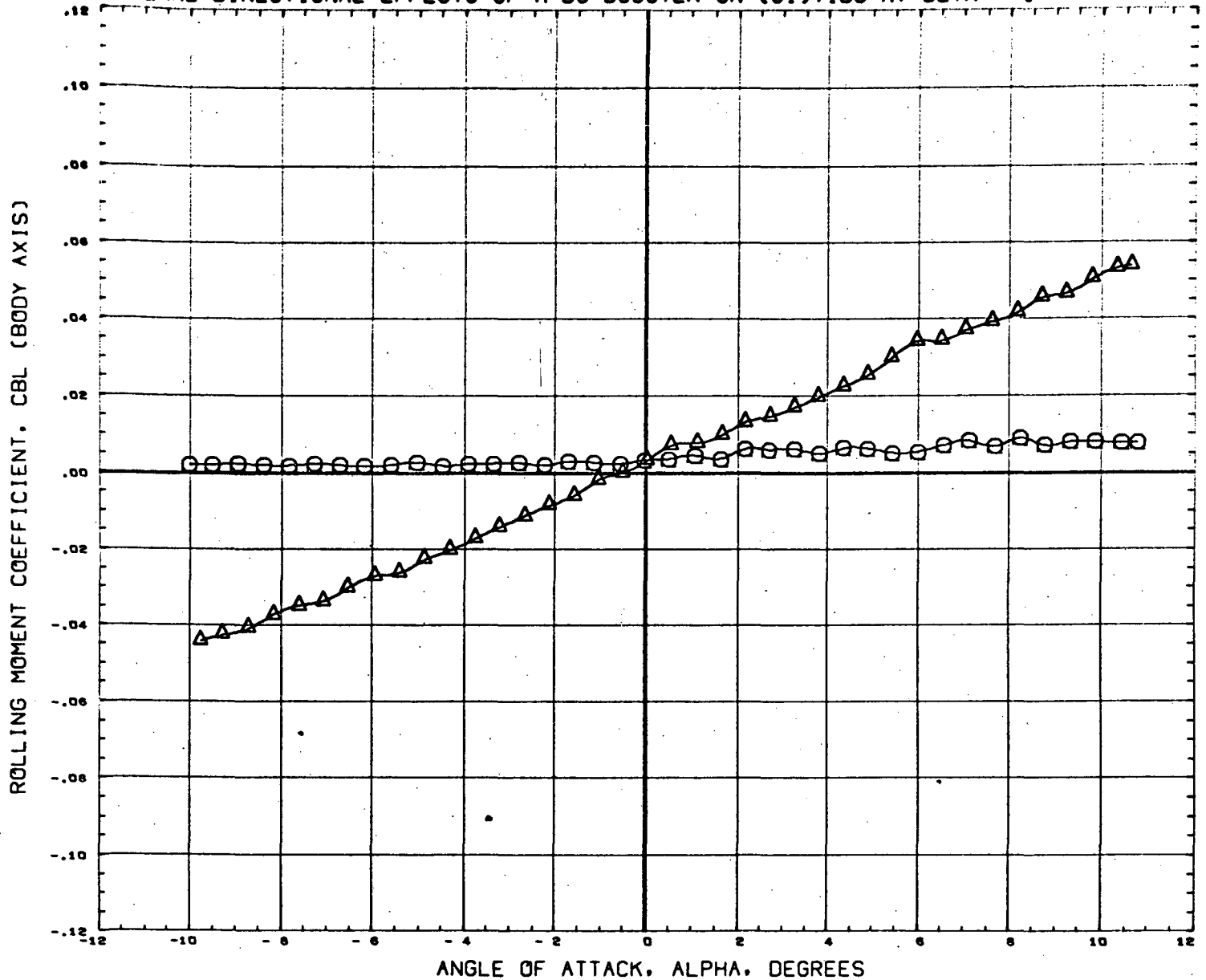


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7414)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7417)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	682.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 554

# LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (O1)T1B3 AT BETA = 0



DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
(RD7414)    ○    MDAC S-222 COMPOSITE (T-CG) (O1) T1B3  
(RD7417)    △    MDAC S-222 COMPOSITE (T-CG) (O1) T1B3L (B3R)

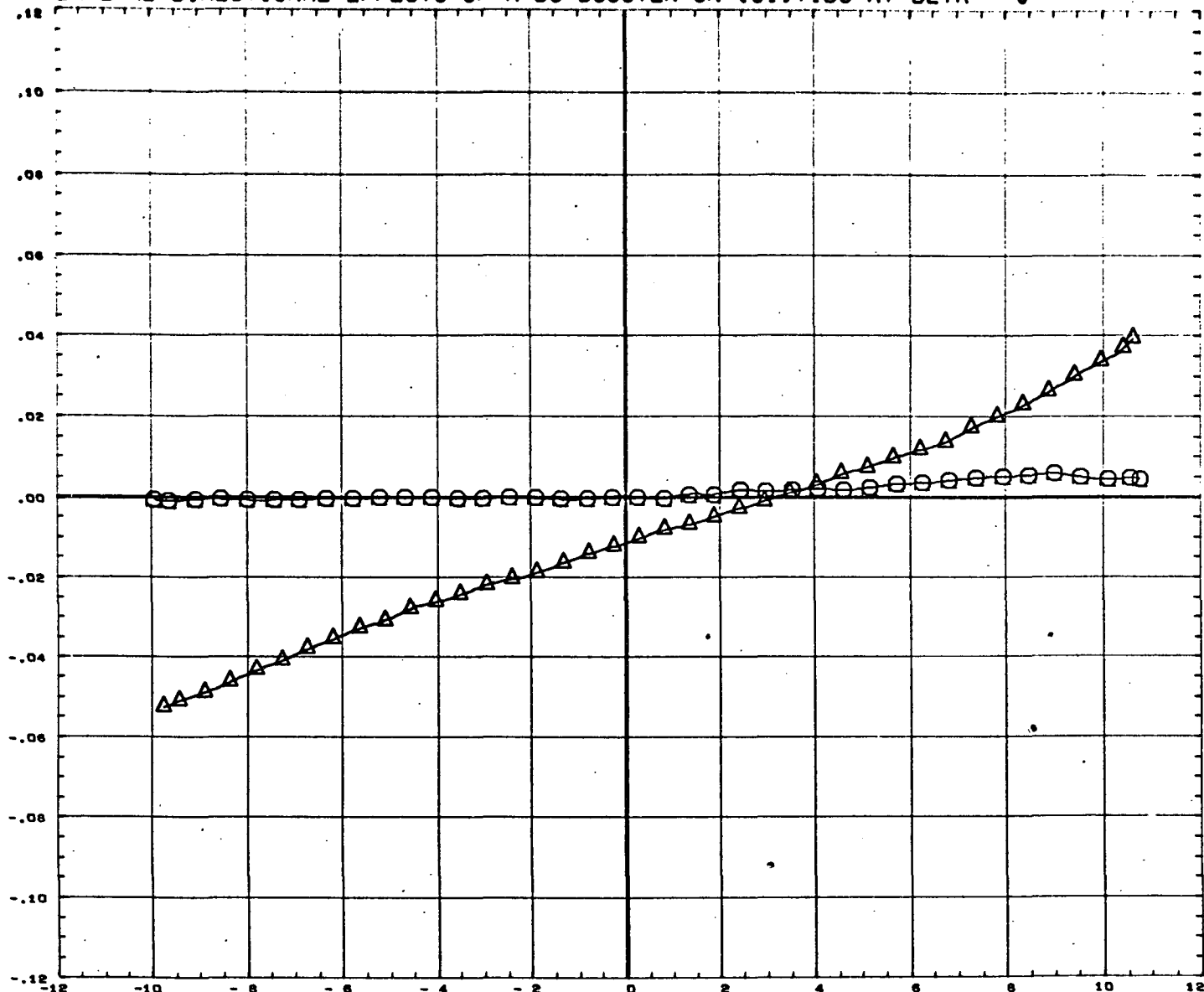
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH      1.10

PAGE    555

# LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



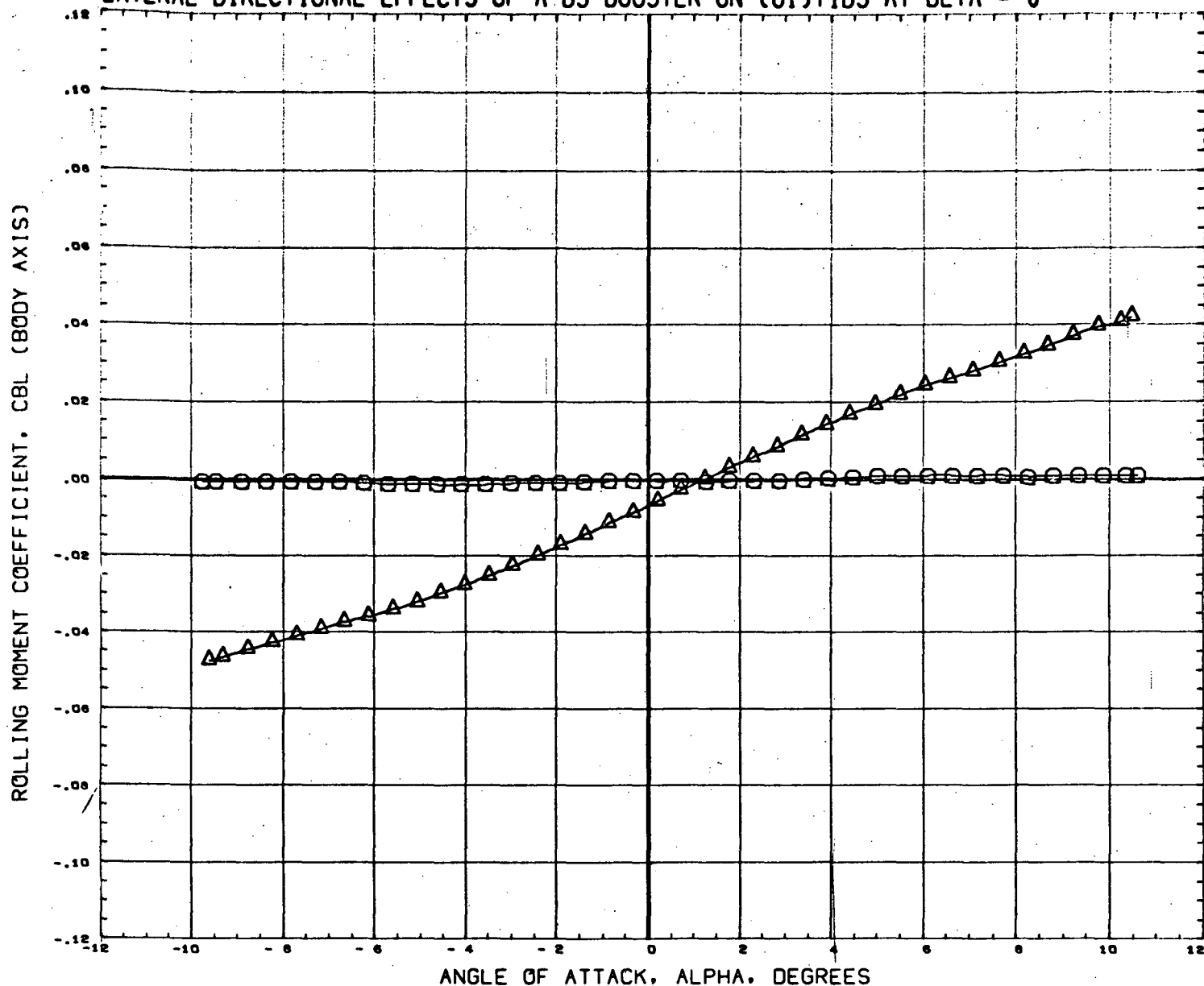
ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7414)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7417)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.3004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 556

# LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD7414)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3
(RD7417)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3L (B3R)

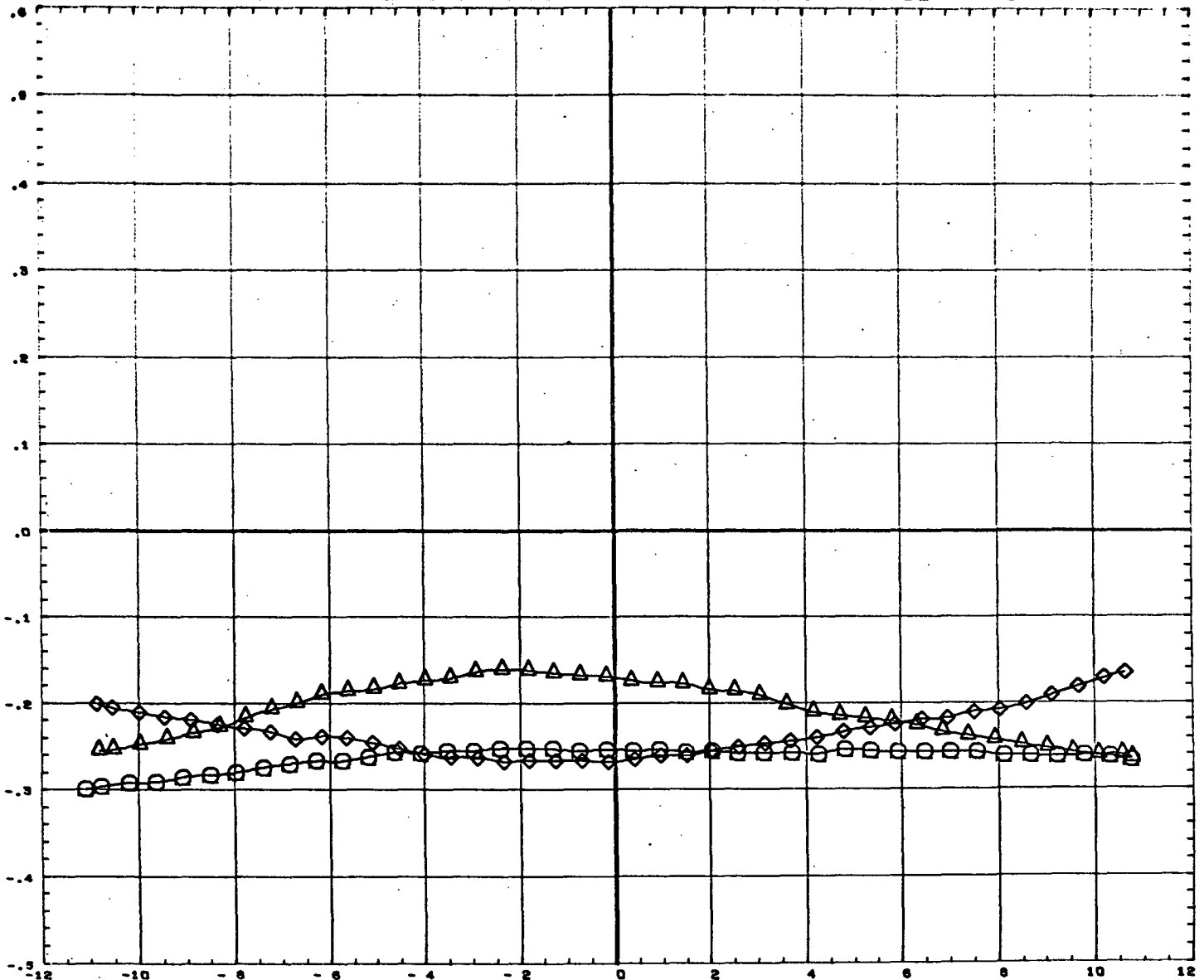
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

PAGE 557

# LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 6

LATERAL FORCE COEFFICIENT, CY



ANGLE OF ATTACK, ALPHA, DEGREES

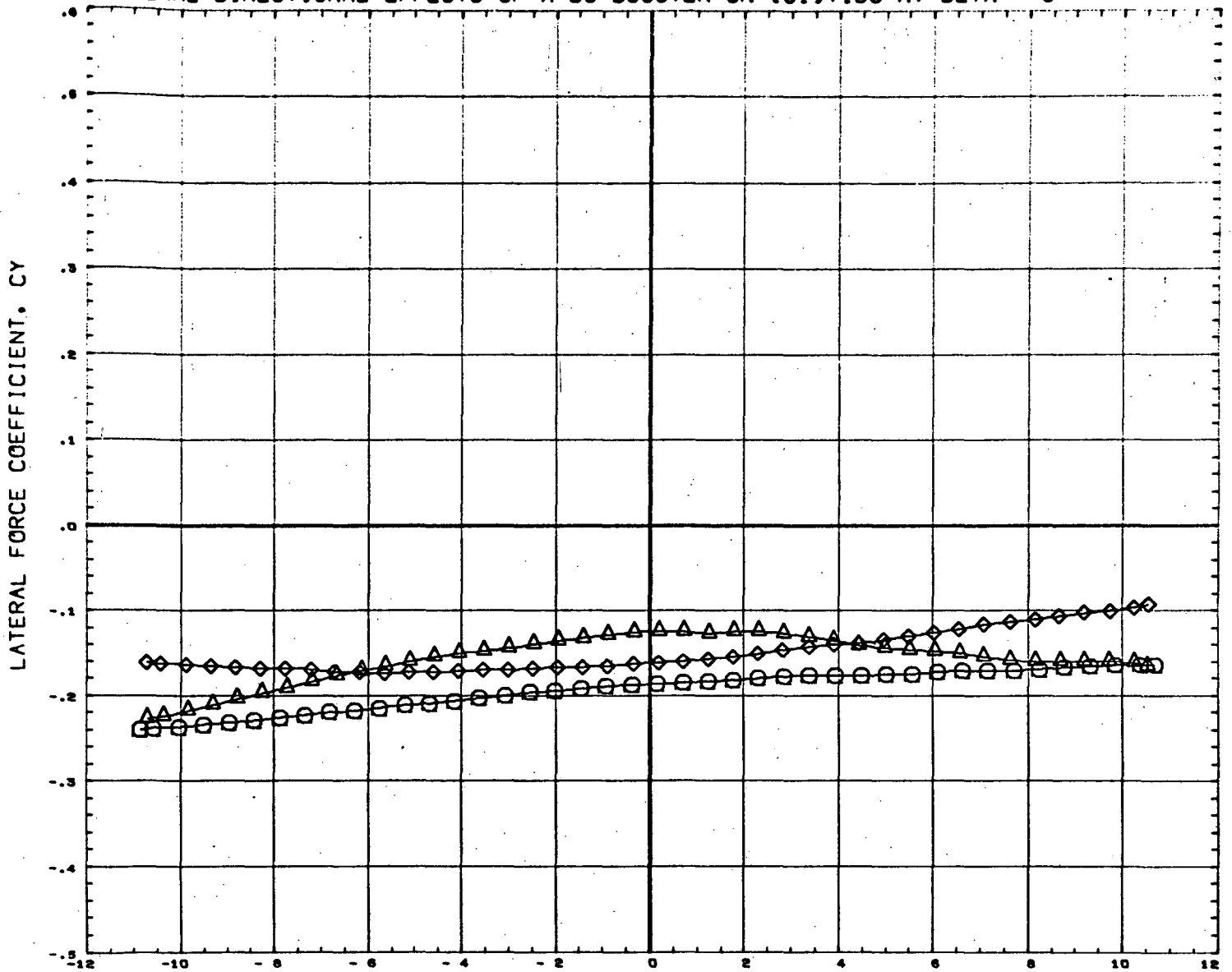
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7416)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7419)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3L(B3R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7420)	MDAC S-222 COMPOSITE (T-CG) (01)T1(B3L)B3R	6.000	0.000	0.000	0.000	GREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 558



# LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 6

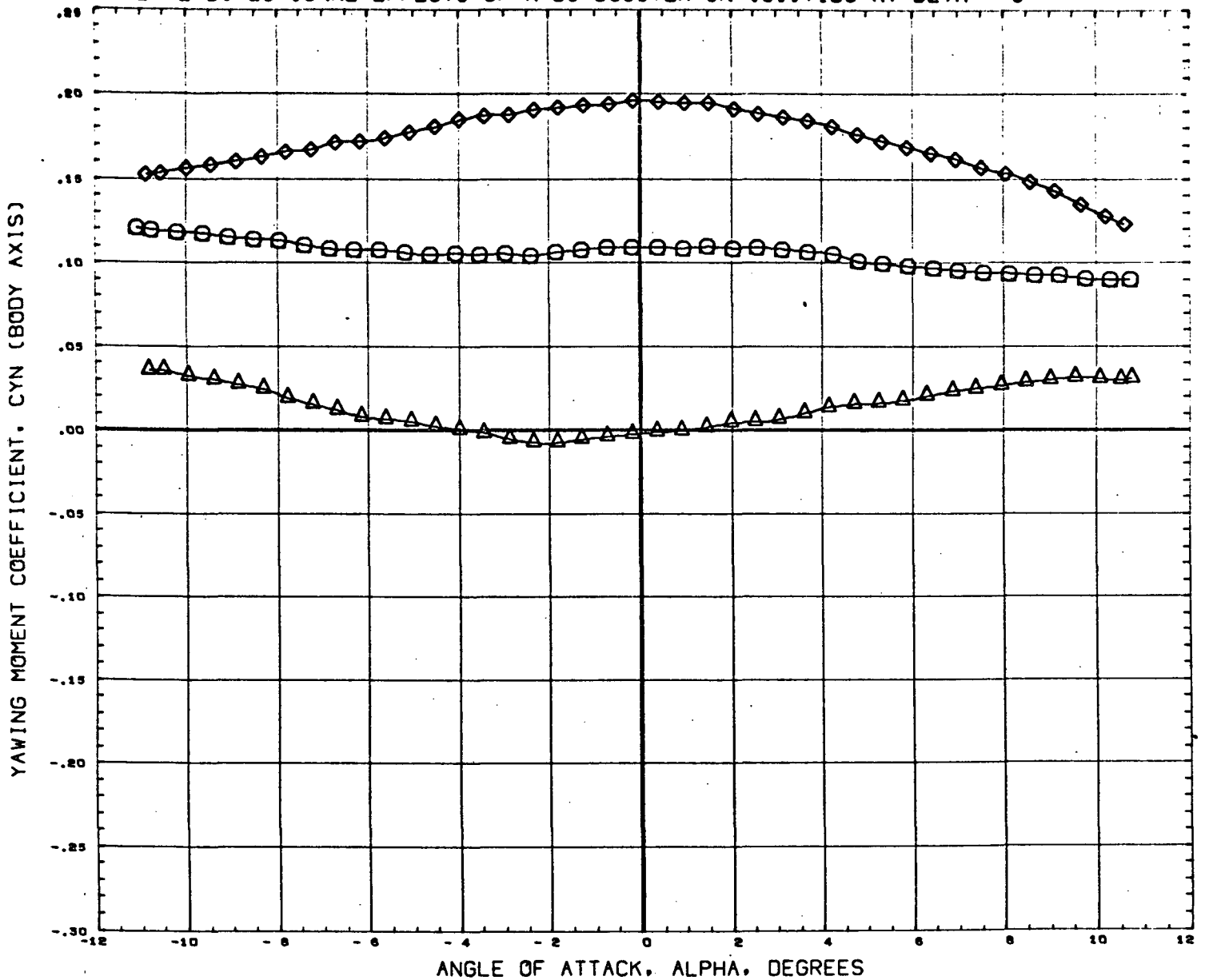


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(RD7416)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3	6.000	0.000	0.000	0.000	SREF	3155.3040	50.FT.
(RD7419)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3L (B3R)	6.000	0.000	0.000	0.000	LREF	609.3004	IN.
(RD7420)	MDAC S-222 COMPOSITE (T-CG) (01)T1 (B3L)B3R	6.000	0.000	0.000	0.000	BREF	682.0004	IN.
						XMRP	357.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH 4.47

PAGE 559

# LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 6

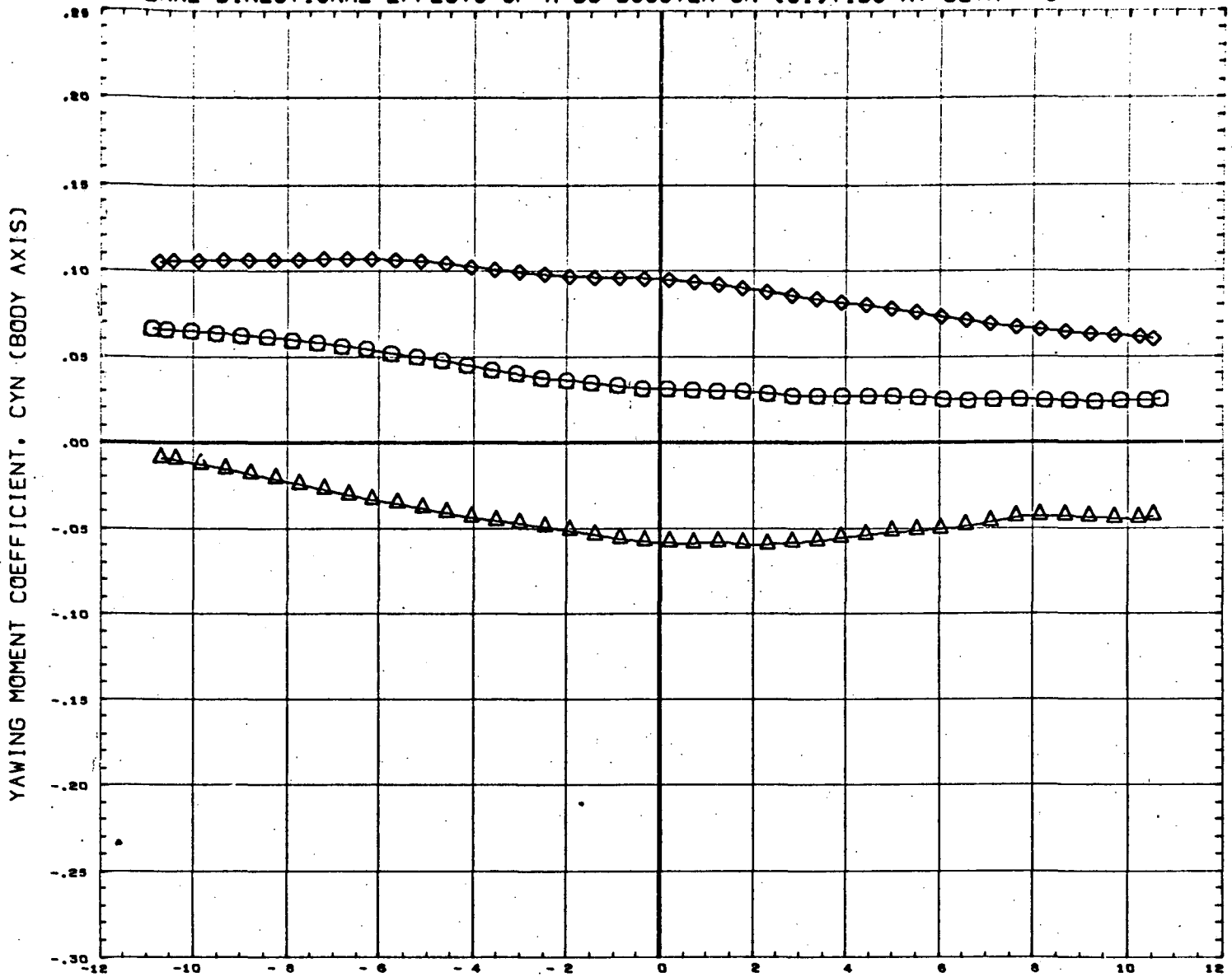


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7418)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7419)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3L (B3R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7420)	MDAC S-222 COMPOSITE (T-CG) (01)T1 (B3L)B3R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 560

# LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 6



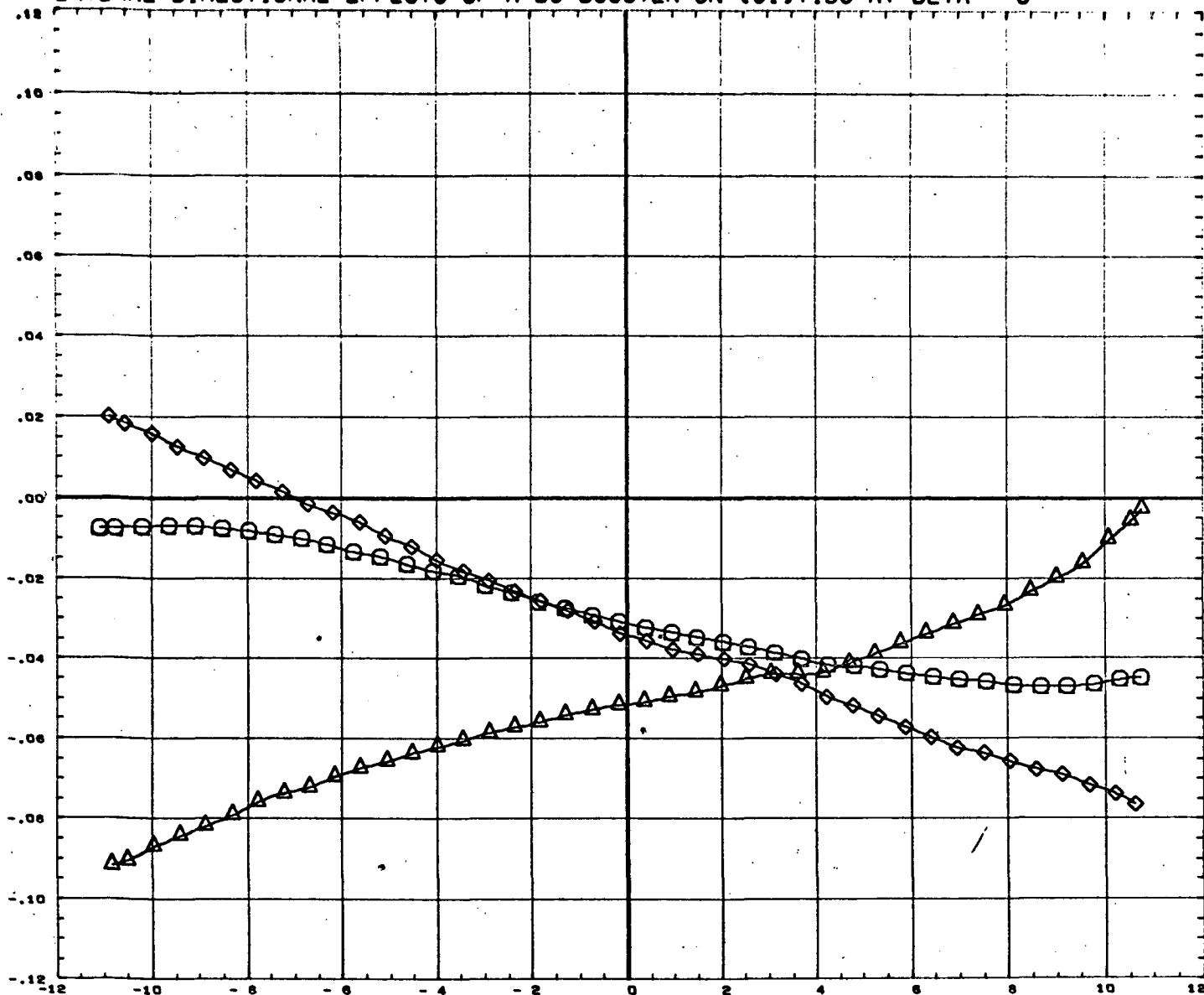
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7416)	MDAC S-222 COMPOSITE (T-CG) (01) T1B3	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7419)	MDAC S-222 COMPOSITE (T-CG) (01) T1B3L (B3R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7420)	MDAC S-222 COMPOSITE (T-CG) (01) T1 (B3L)B3R	6.000	0.000	0.000	0.000	BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 561

# LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 AT BETA = 6

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7416)	MDAC S-222 COMPOSITE (T-CG) (01) T1B3	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7419)	MDAC S-222 COMPOSITE (T-CG) (01) T1B3L(B3R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7420)	MDAC S-222 COMPOSITE (T-CG) (01) T1(B3L)B3R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

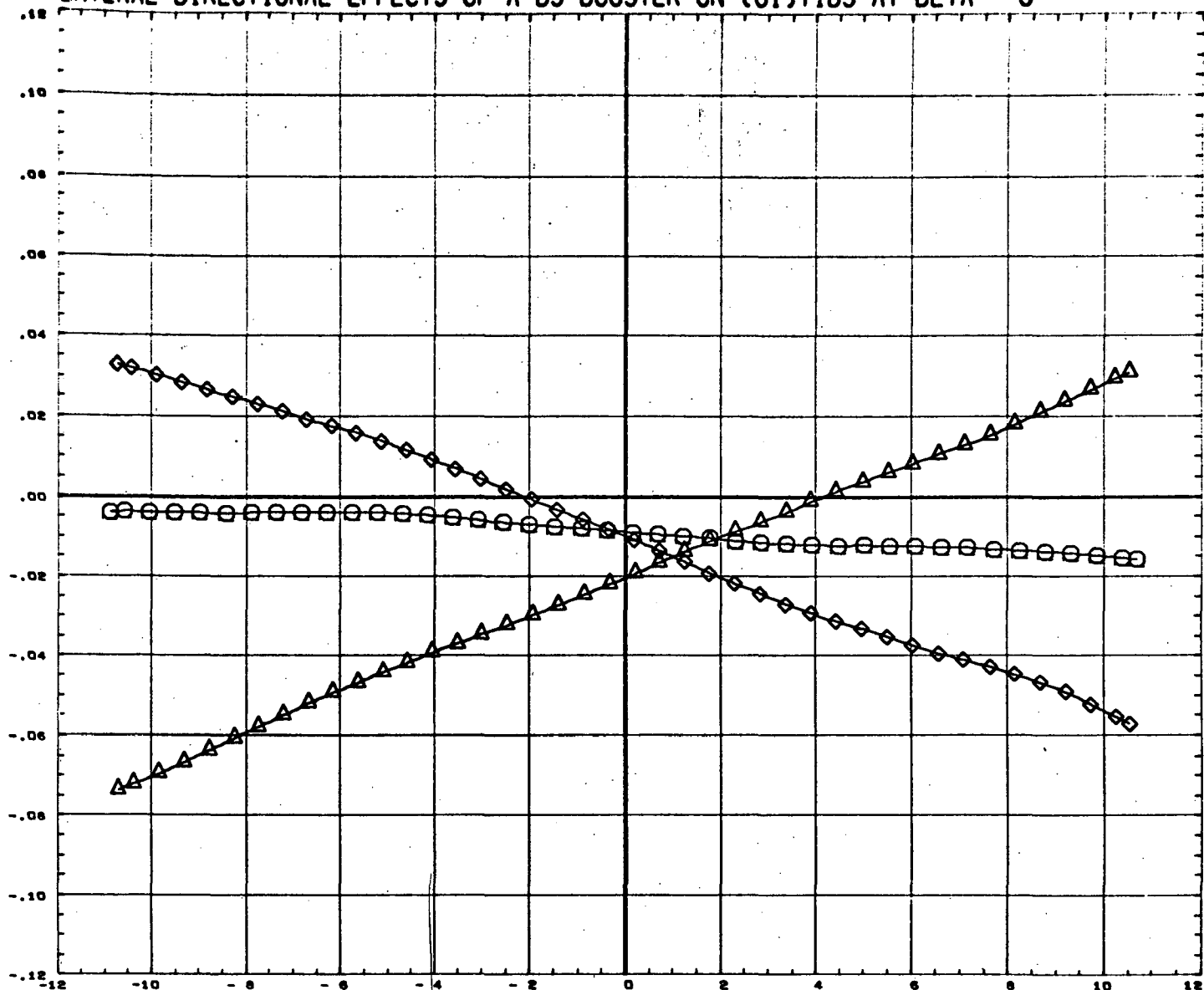
MACH

2.20

PAGE 562

# LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (O1)T1B3 AT BETA = 6

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



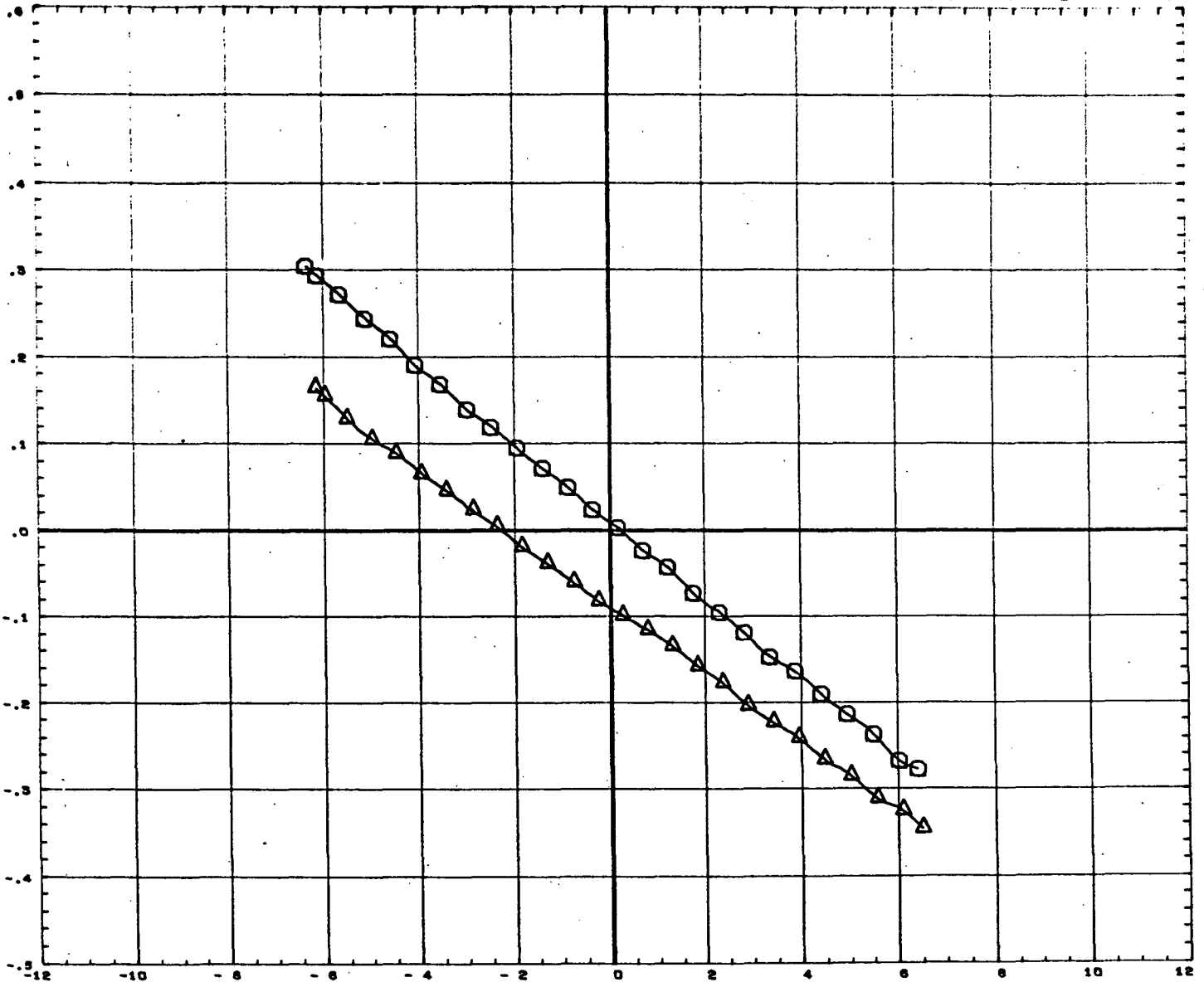
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7416)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B3	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7419)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B3L(B3R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7420)	MDAC S-222 COMPOSITE (T-CG) (O1)T1(B3L)B3R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 563

# LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (O1)T1B3 WITH BETA AT ALPHA = 0

LATERAL FORCE COEFFICIENT, CY



SIDE SLIP ANGLE, BETA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RD7415) (O) MDAC S-222 COMPOSITE (T-CG) (O1)T1B3  
 (RD7416) (Δ) MDAC S-222 COMPOSITE (T-CG) (O1)T1B3L (B3R)

ALPHA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 0.000 0.000 0.000 0.000

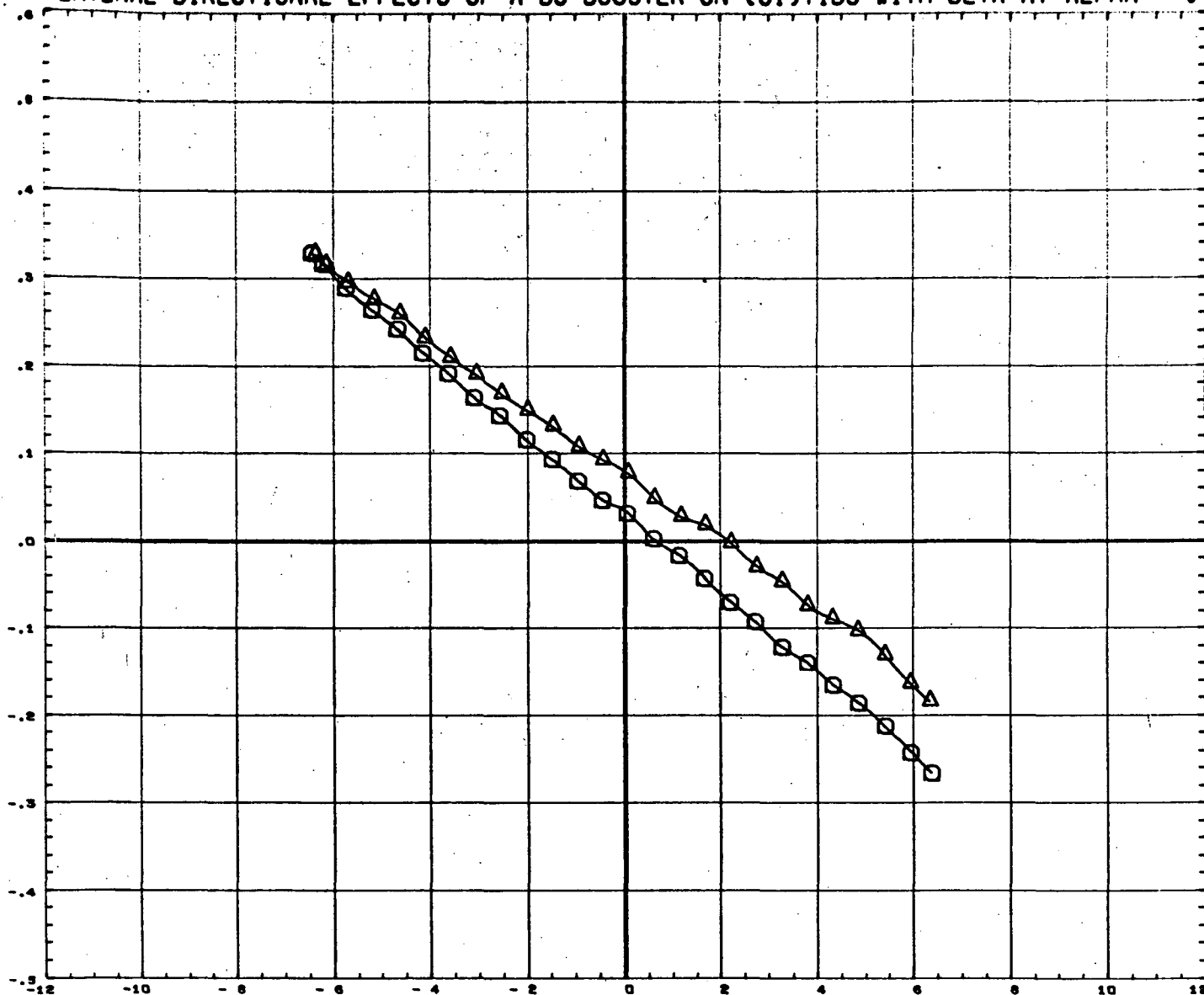
REFERENCE INFORMATION:  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH .90

PAGE 564

# LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 WITH BETA AT ALPHA = 0

LATERAL FORCE COEFFICIENT, CY

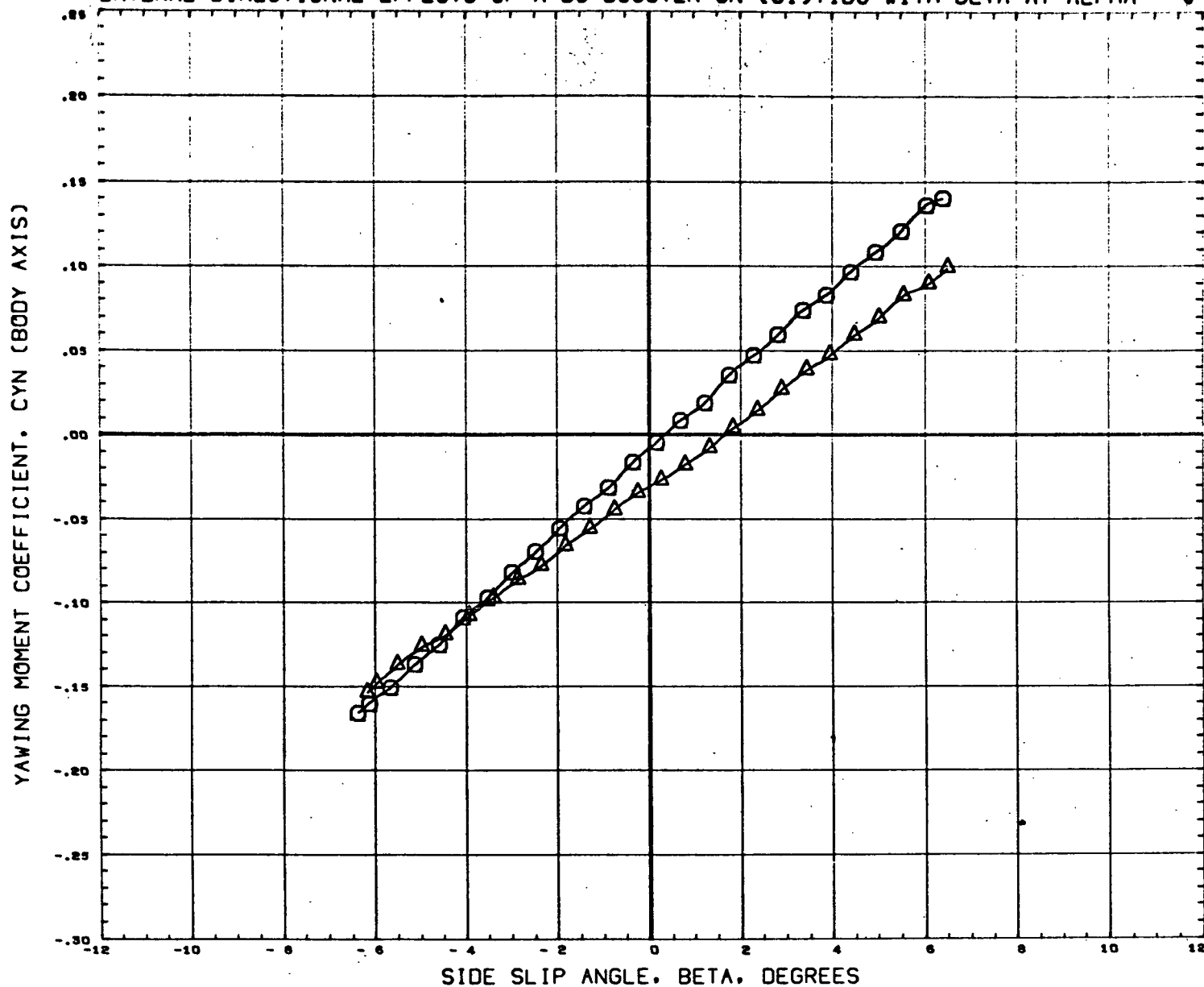


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7415) Q	MDAC S-222 COMPOSITE (T-CG) (01)T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7416) A	MDAC S-222 COMPOSITE (T-CG) (01)T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	662.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

PAGE 565

# LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (O1)T1B3 WITH BETA AT ALPHA = 0



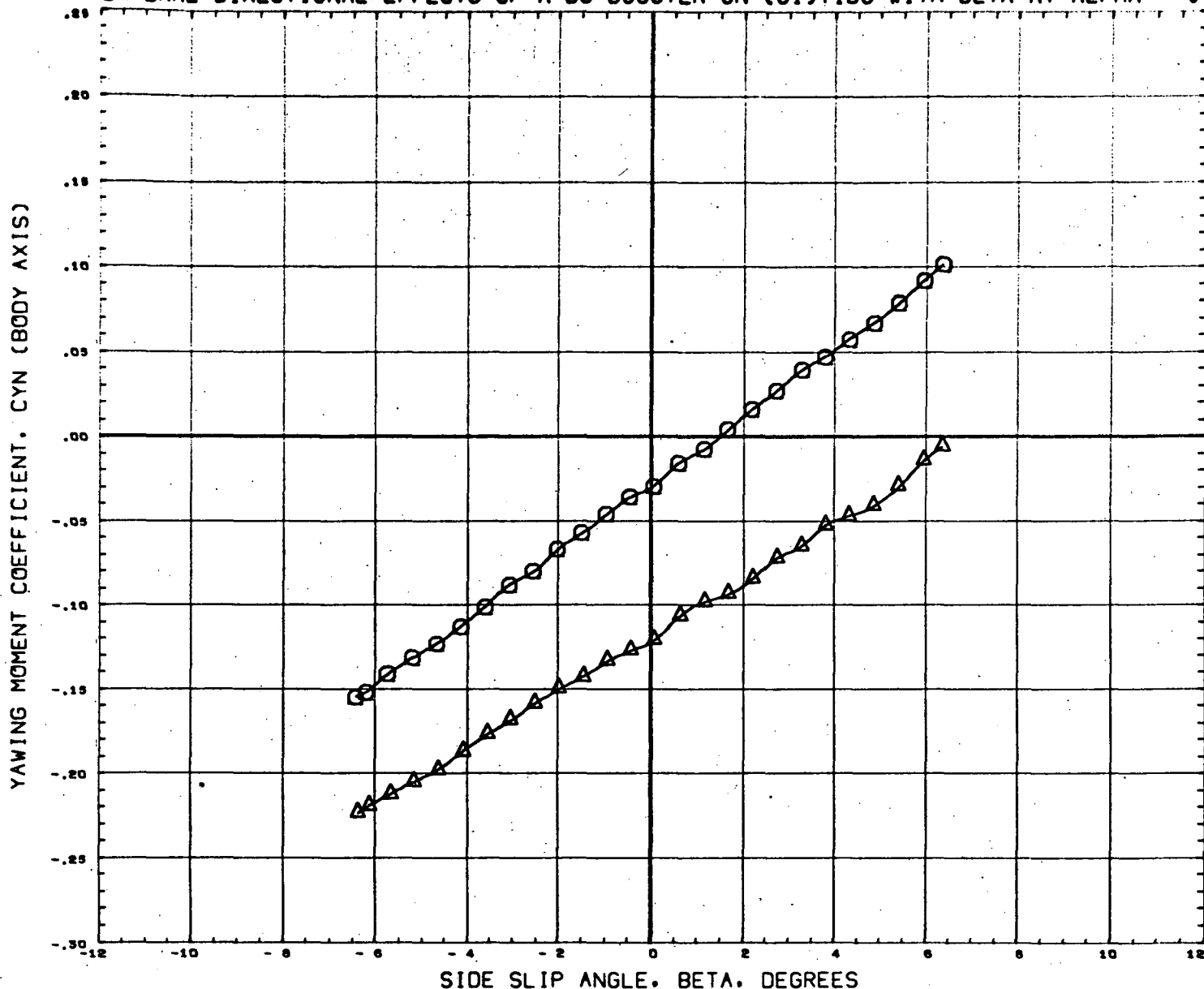
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR.	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7415)	MDAC S-222 COMPOSITE(T-CG) (O1)T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7416)	MDAC S-222 COMPOSITE(T-CG) (O1)T1B3L(B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 566



# LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 WITH BETA AT ALPHA = 0



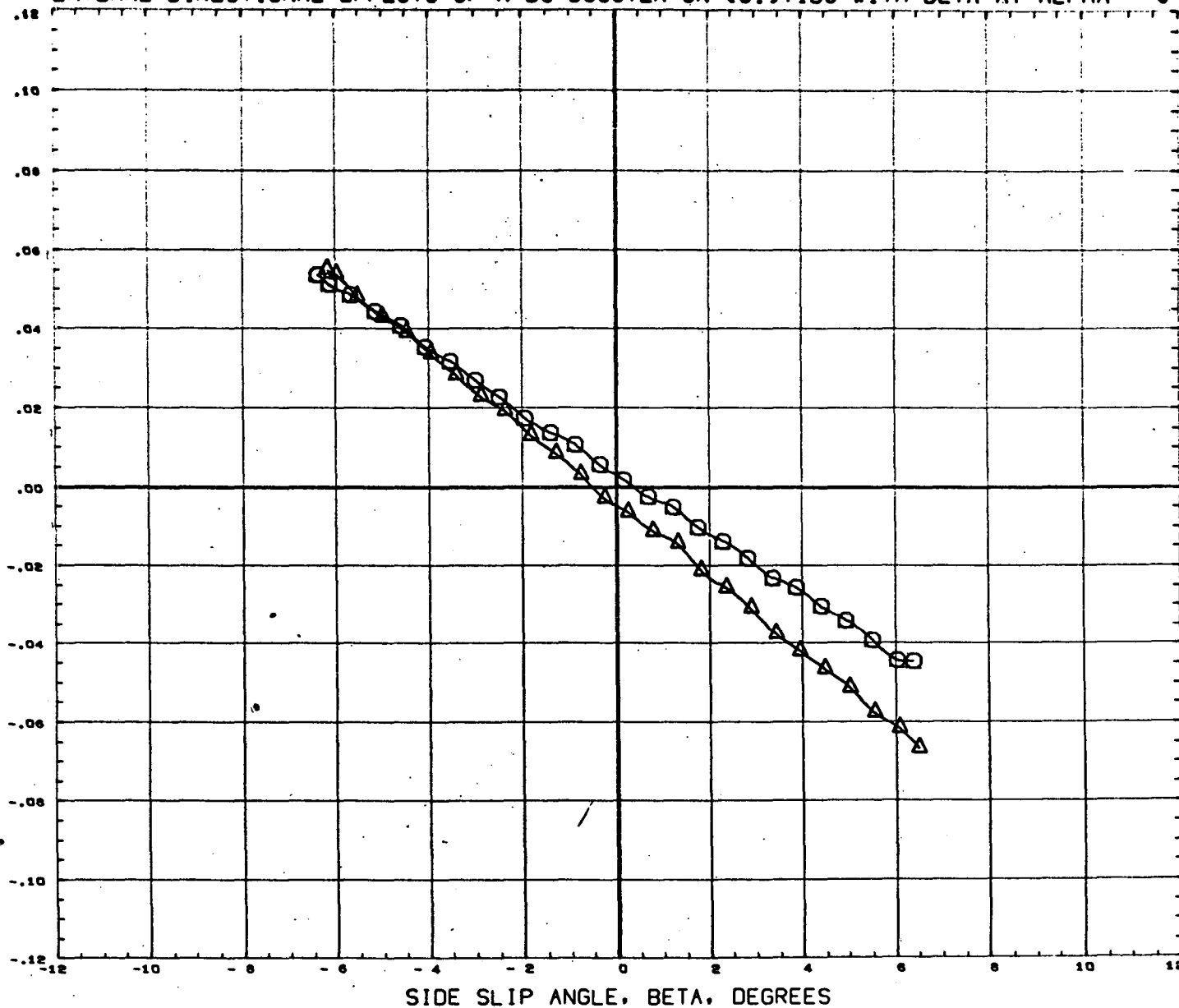
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7415)	MDAC S-222 COMPOSITE(T-CG) (01)T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7416)	MDAC S-222 COMPOSITE(T-CG) (01)T1B3L(B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

PAGE 567

# LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (O1)T1B3 WITH BETA AT ALPHA = 0

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RD7415)  MDAC S-222 COMPOSITE (T-CG) (O1)T1B3  
 (RD7416)  MDAC S-222 COMPOSITE (T-CG) (O1)T1B3L(B3R)

ALPHA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

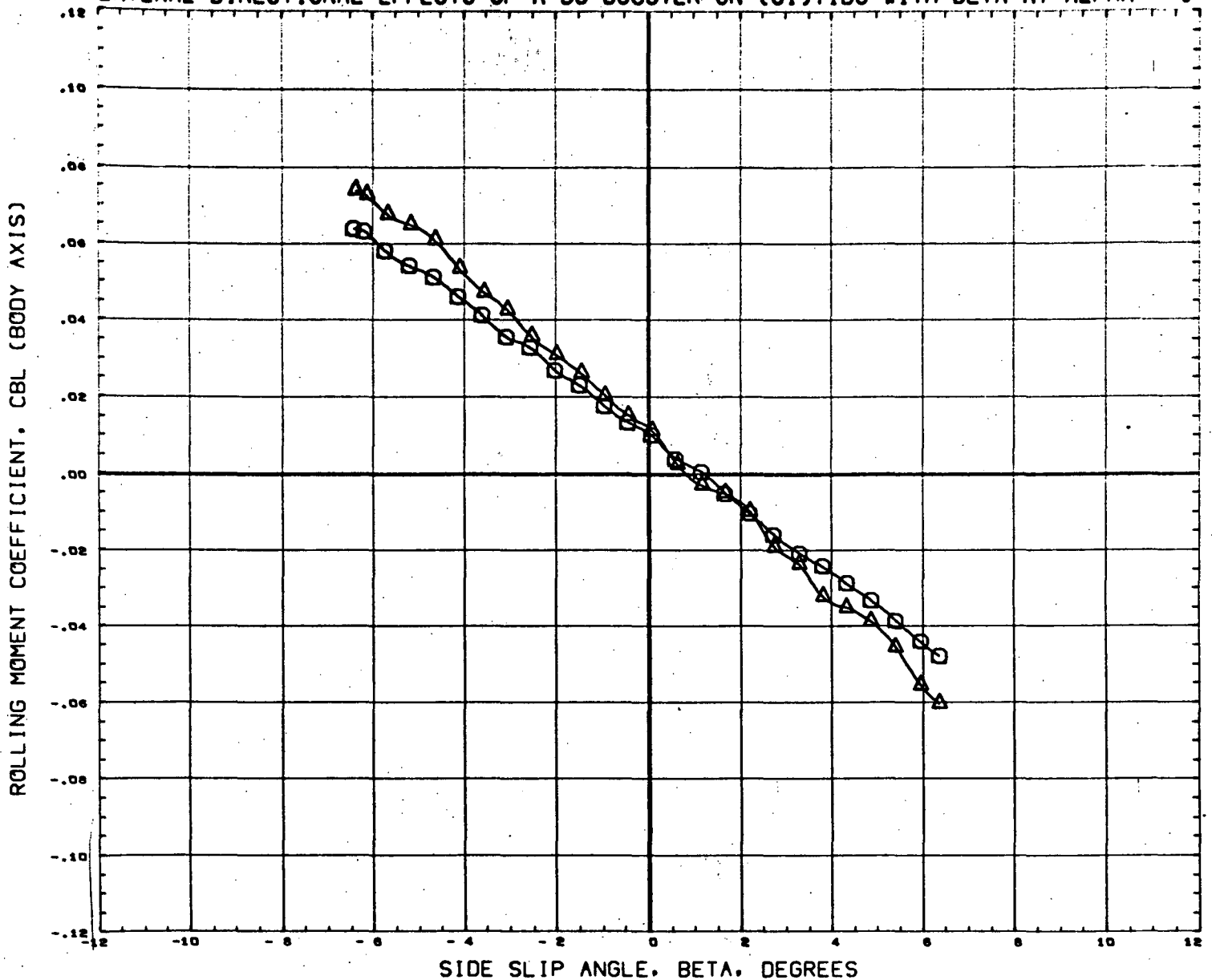
REFERENCE INFORMATION

SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRF	557.0004	IN.
YMRF	0.0000	IN.
ZMRF	200.0004	IN.
SCALE	0.0060	

MACH .90

PAGE 568

# LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 WITH BETA AT ALPHA = 0



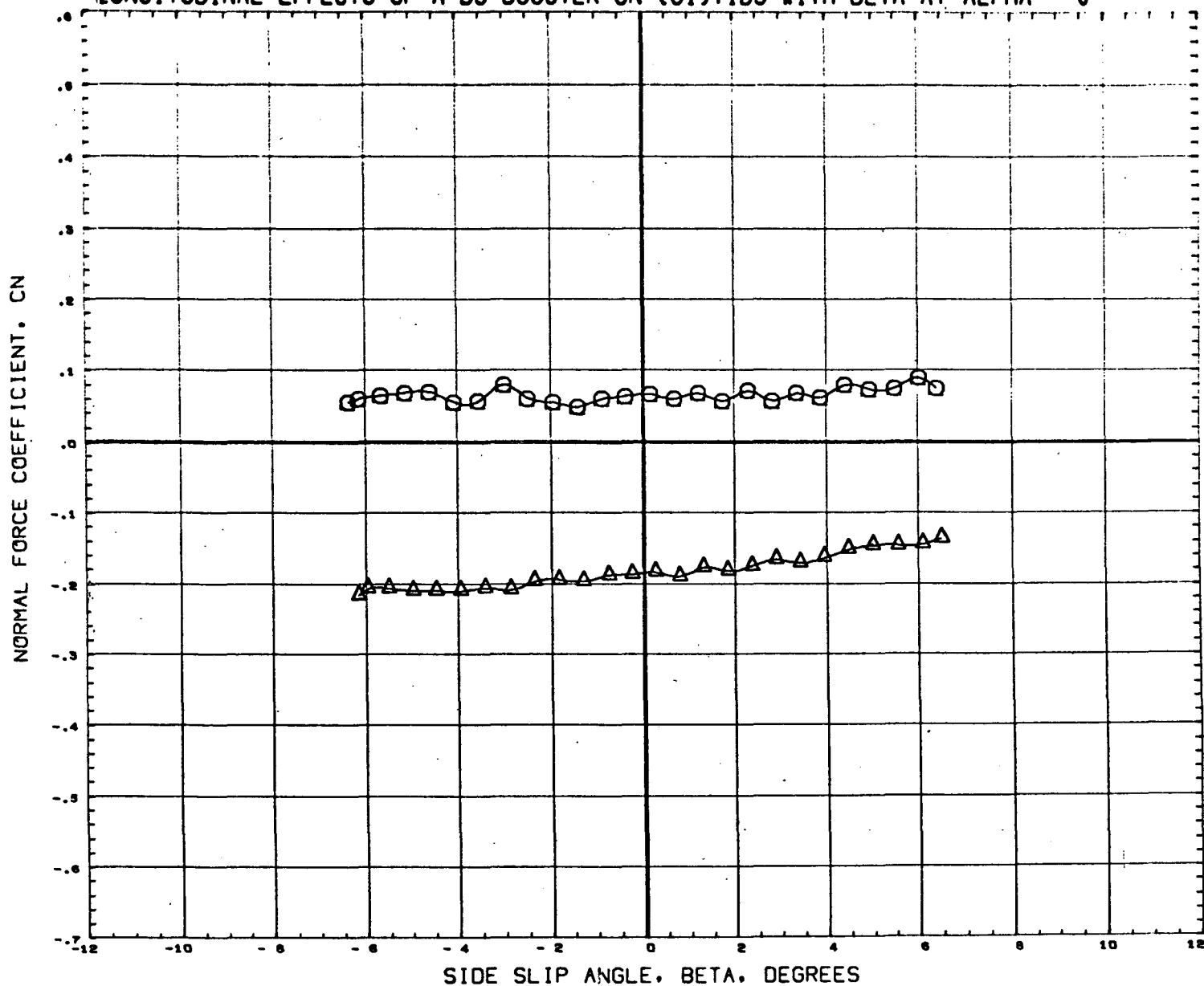
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD7415) ○	MDAC S-222 COMPOSITE(T-CG) (01)T1B3
(RD7416) △	MDAC S-222 COMPOSITE(T-CG) (01)T1B3L(B3R)

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	662.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.10

PAGE 569

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T1B3 WITH BETA AT ALPHA = 0



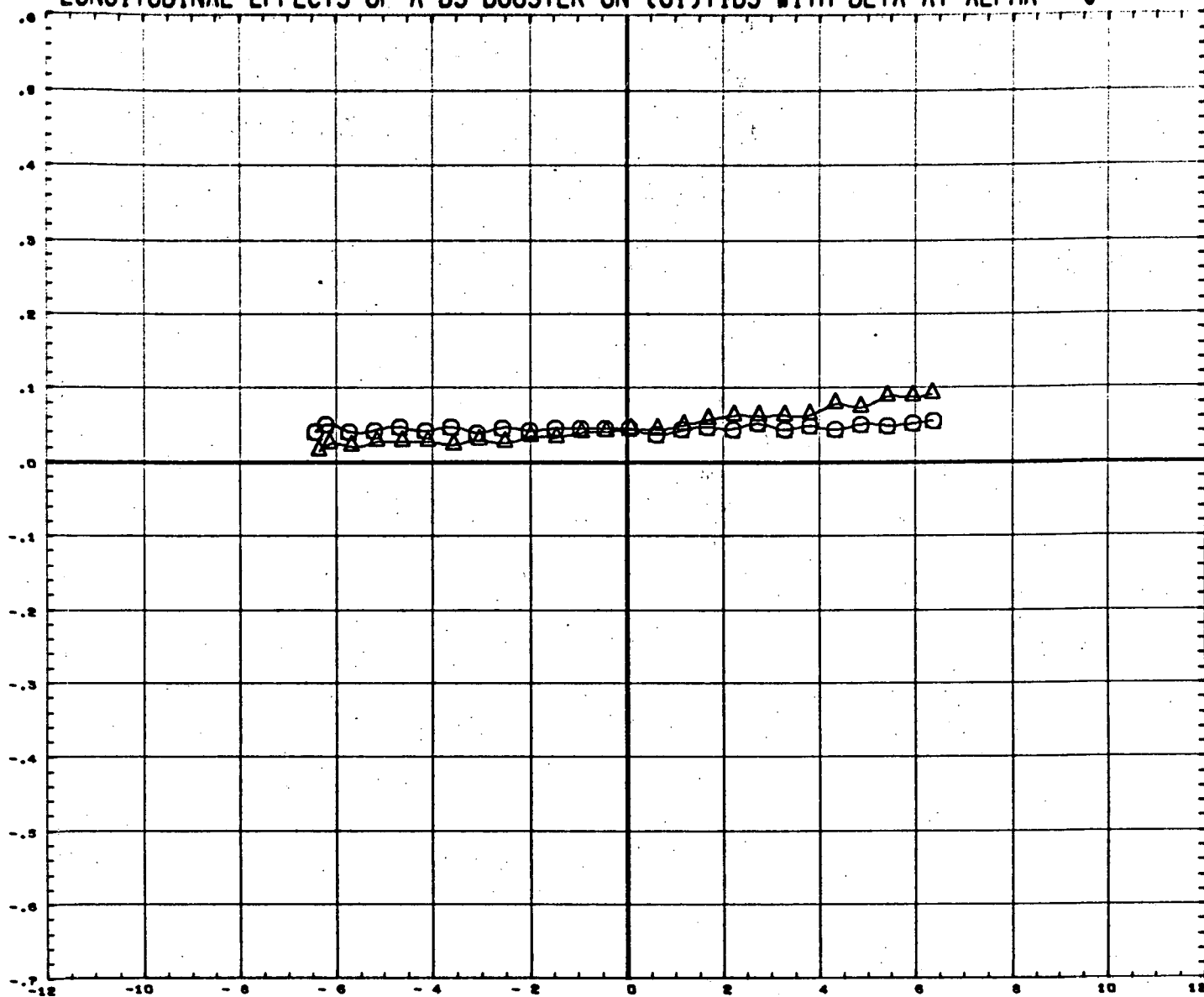
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7415)	MDAC S-222 COMPOSITE(T-CG) (O1)T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7416)	MDAC S-222 COMPOSITE(T-CG) (O1)T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 570

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 WITH BETA AT ALPHA = 0

NORMAL FORCE COEFFICIENT, CN



SIDE SLIP ANGLE, BETA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7415) MDAC S-222 COMPOSITE (T-CG) (01) T1B3  
 (CD7416) MDAC S-222 COMPOSITE (T-CG) (01) T1B3L (B3R)

ALPHA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 0.000 0.000 0.000 0.000

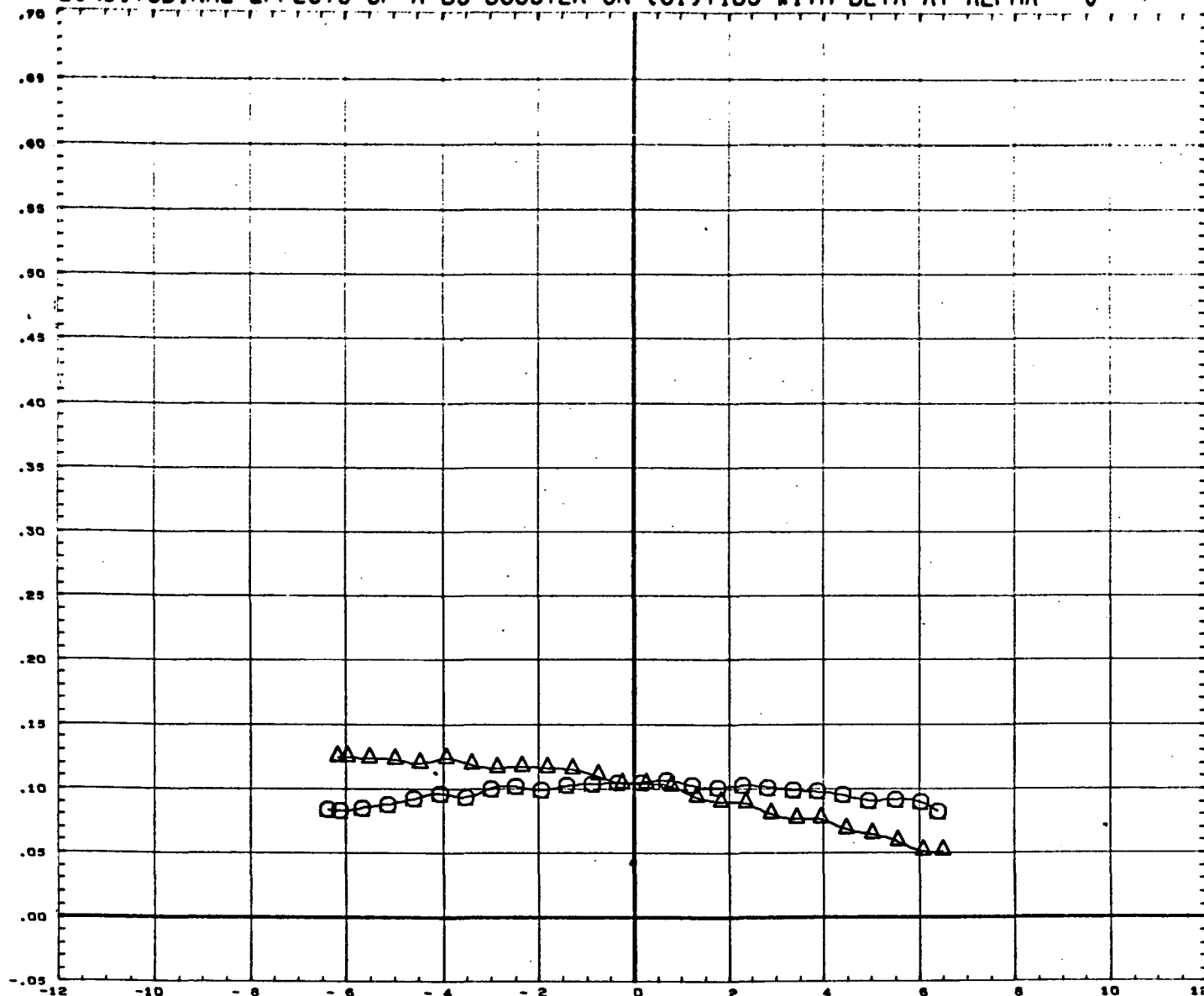
REFERENCE INFORMATION  
 SREF 3155.3040 S2.FT.  
 LREF 609.5004 IN.  
 BREF 682.0004 IN.  
 XMRP 957.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH 1.10

PAGE 571

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T1B3 WITH BETA AT ALPHA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF



SIDE SLIP ANGLE, BETA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7415)	MDAC S-222 COMPOSITE (T-CG) (O1) T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7416)	MDAC S-222 COMPOSITE (T-CG) (O1) T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	597.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

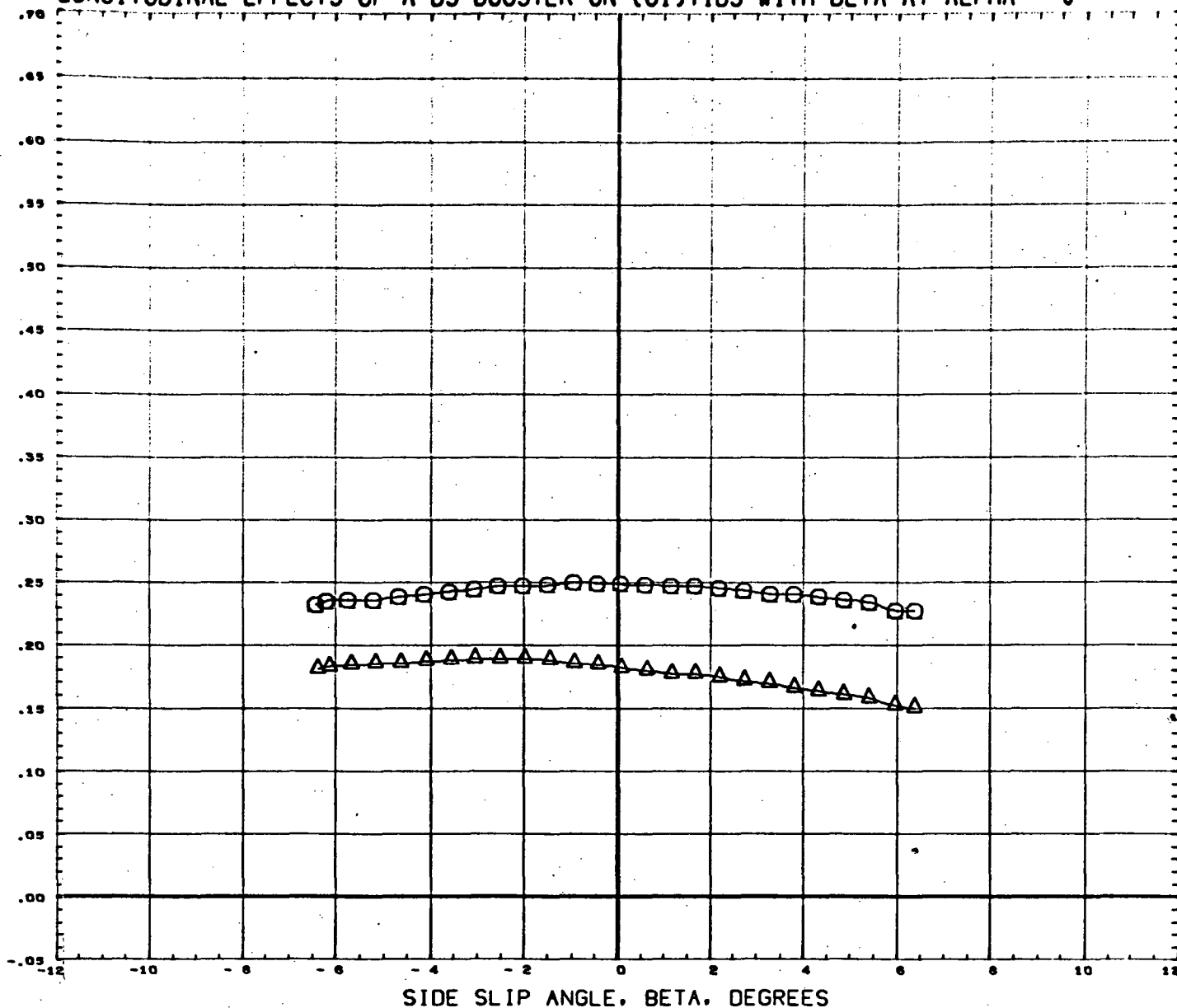
MACH

.90

PAGE 572

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 WITH BETA AT ALPHA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF



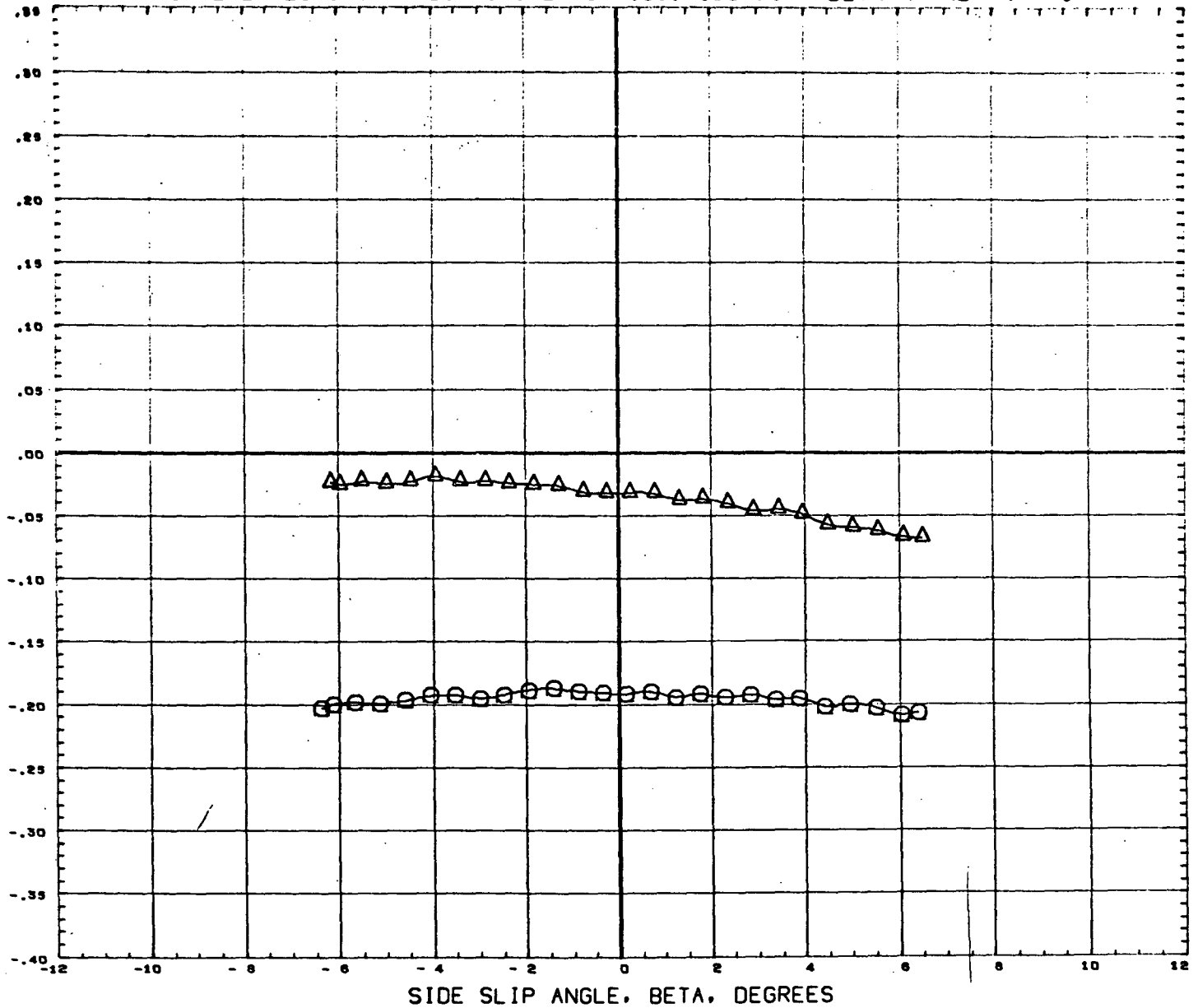
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7415)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7416)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	662.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

PAGE 573

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T1B3 WITH BETA AT ALPHA = 0

PITCHING MOMENT COEFFICIENT, CLM



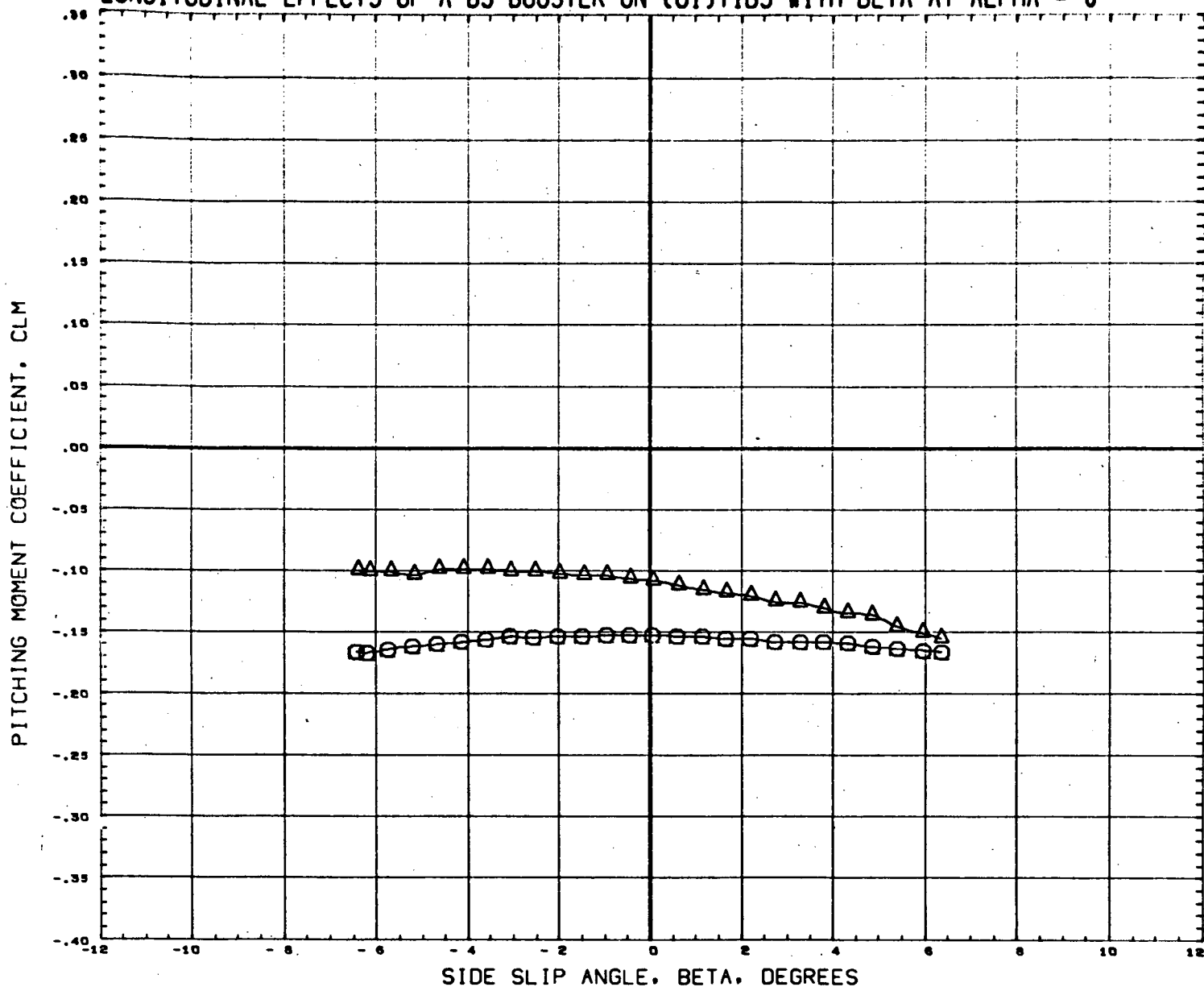
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7415)	MDAC S-222 COMPOSITE(T-CG) (O1)T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7416)	MDAC S-222 COMPOSITE(T-CG) (O1)T1B3L(B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	682.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 574



# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 WITH BETA AT ALPHA = 0

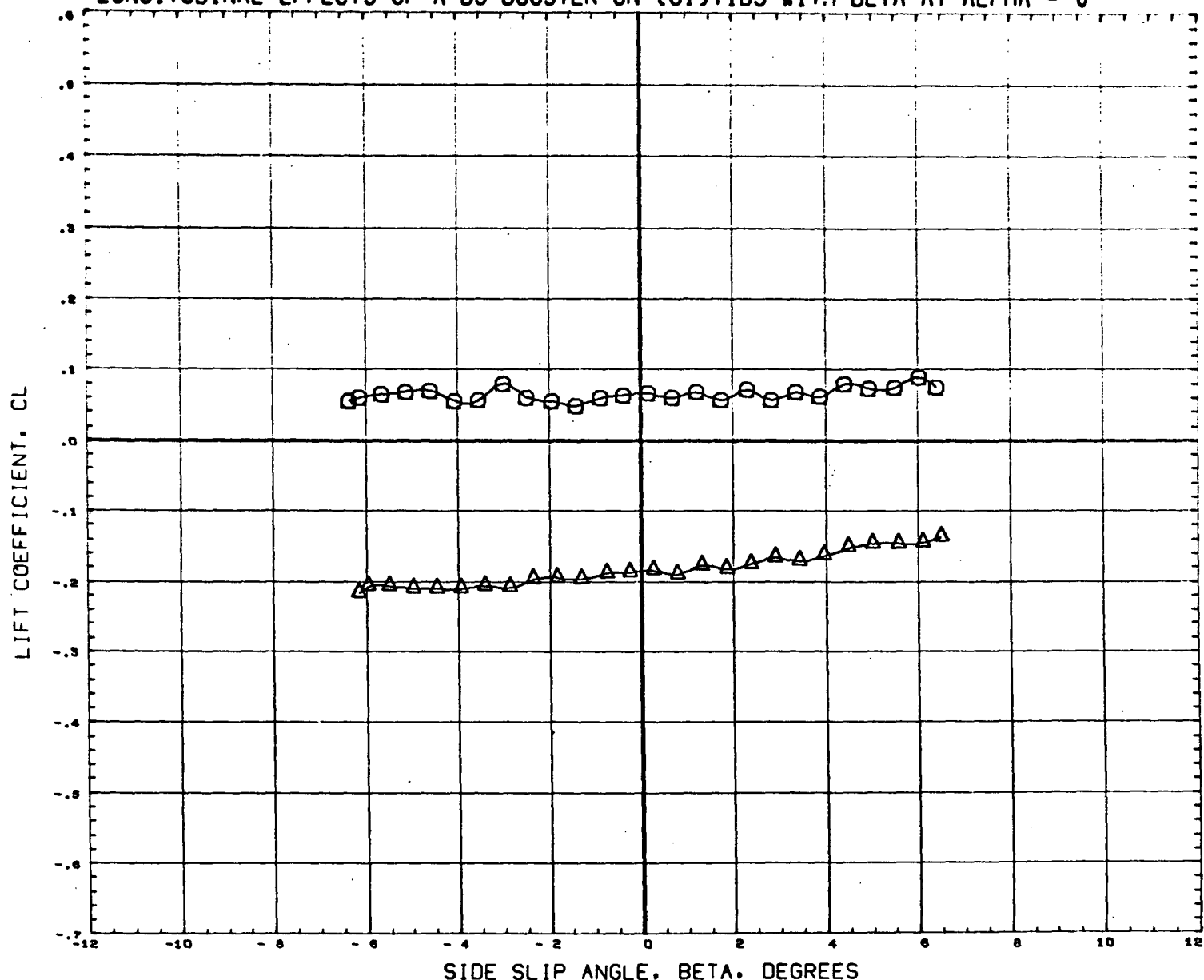


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7415)	MDAC S-222 COMPOSITE (T-CG) (01) T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7416)	MDAC S-222 COMPOSITE (T-CG) (01) T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRF	537.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH 1.10

PAGE 575

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T1B3 WITH BETA AT ALPHA = 0

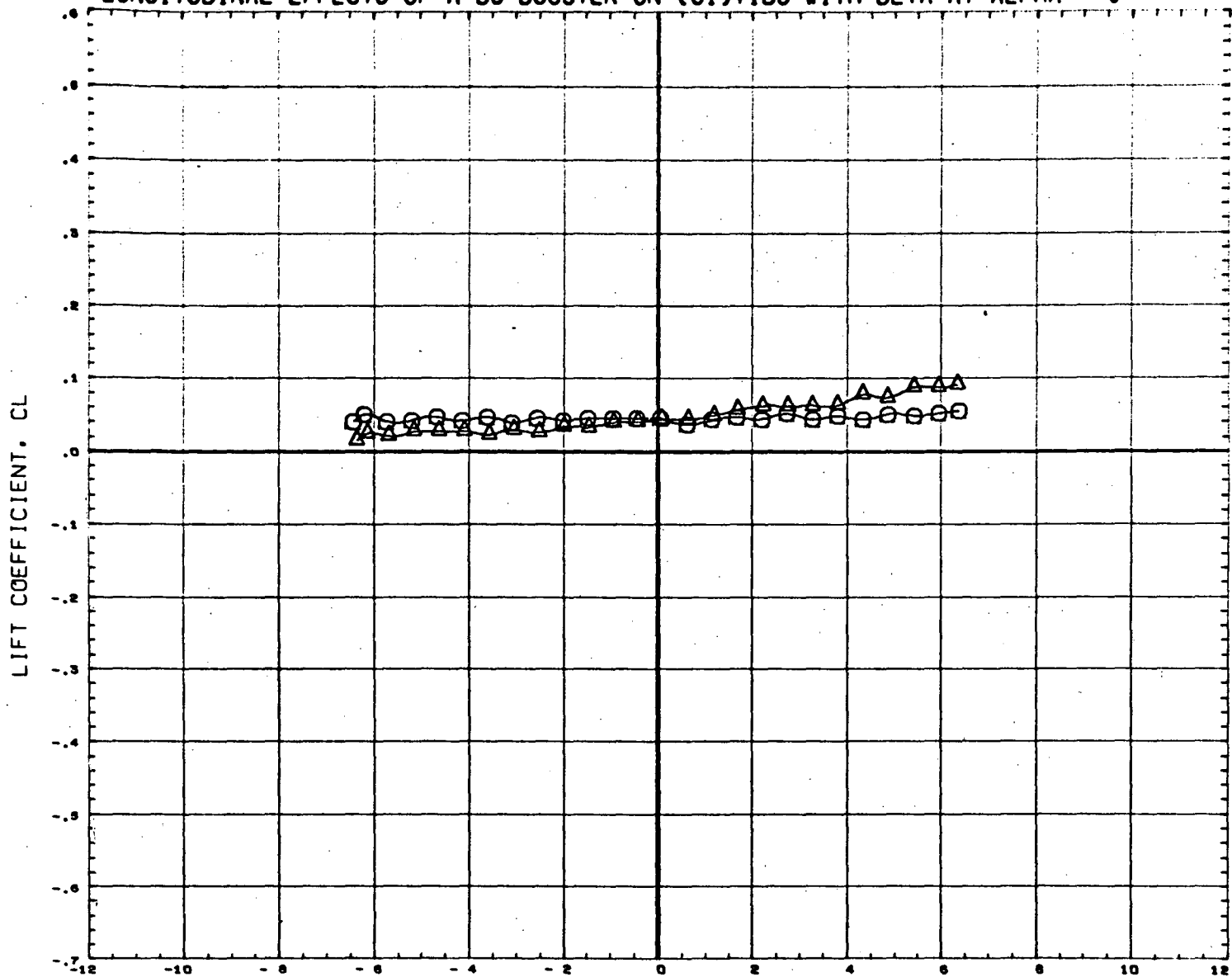


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7415)	MDAC S-222 COMPOSITE (T-CG) (O1) T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ. FT.
(CD7418)	MDAC S-222 COMPOSITE (T-CG) (O1) T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 576

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 WITH BETA AT ALPHA = 0



SIDE SLIP ANGLE, BETA, DEGREES

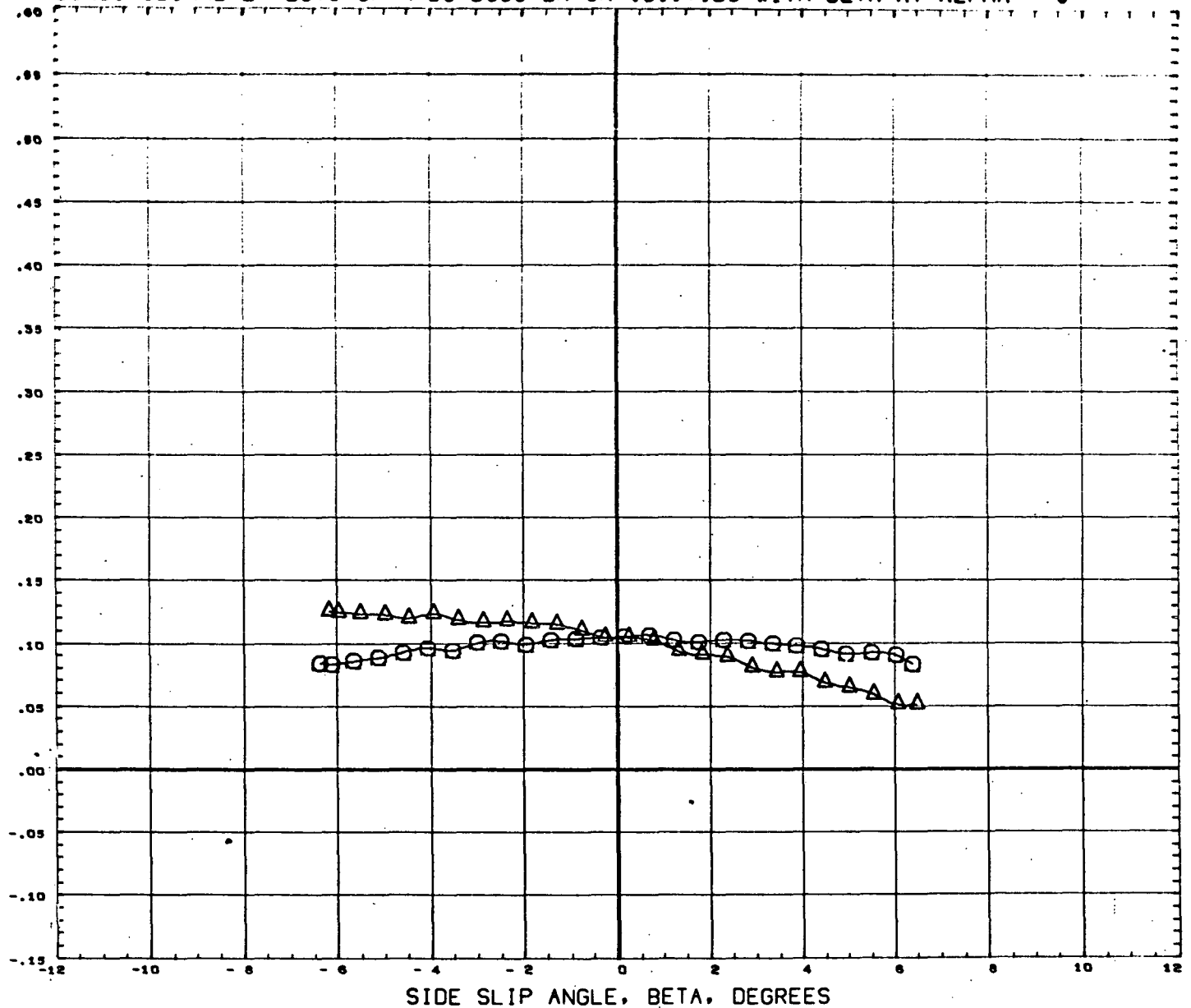
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7415)	MDAC S-222 COMPOSITE (T-CG) (01) T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7416)	MDAC S-222 COMPOSITE (T-CG) (01) T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XNRP	557.0004 IN.
						YNRP	0.0000 IN.
						ZNRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

PAGE 577

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T1B3 WITH BETA AT ALPHA = 0

FOREBODY DRAG COEFFICIENT, CDF



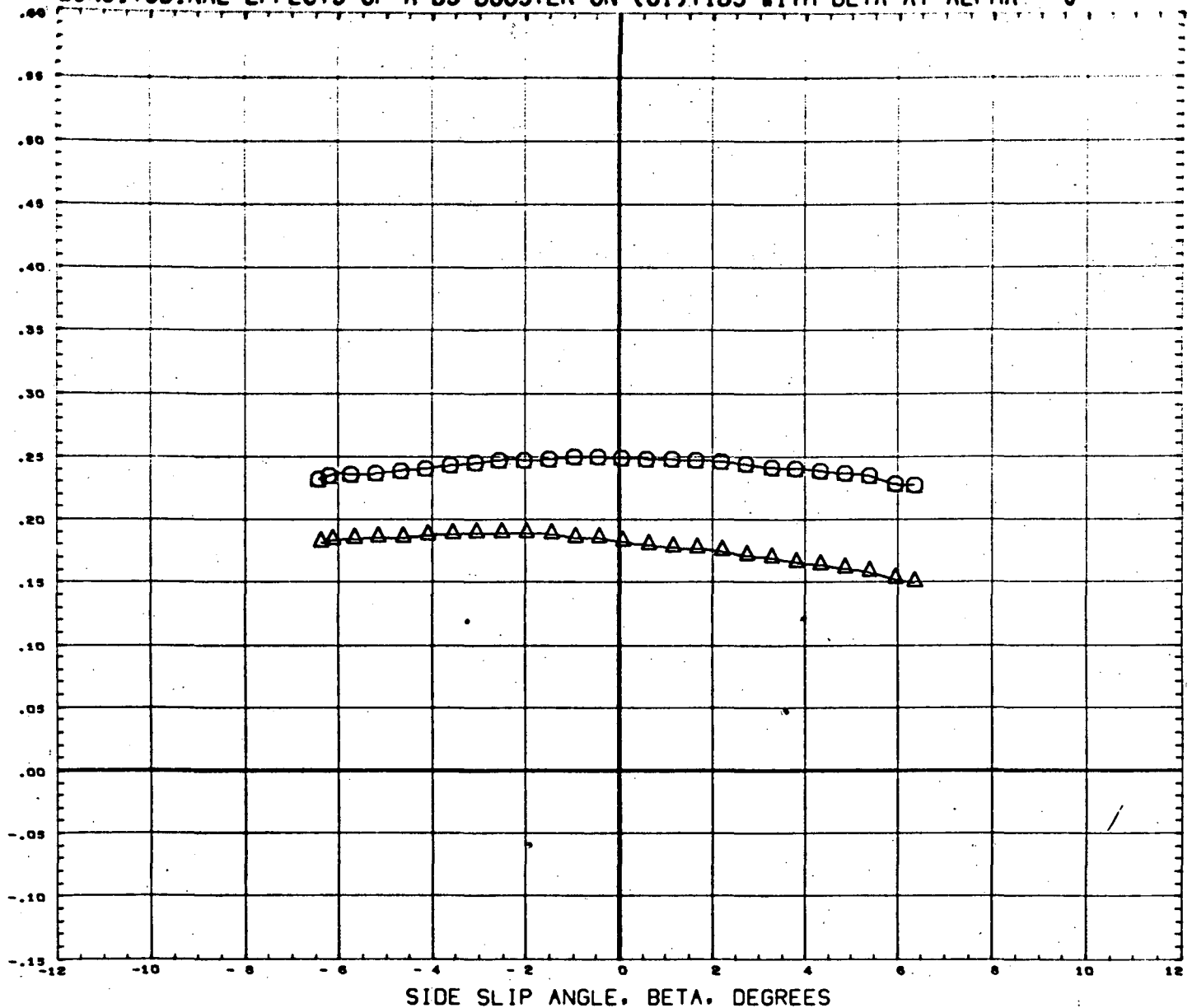
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7419)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7418)	MDAC S-222 COMPOSITE (T-CG) (01)T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 578

# LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T1B3 WITH BETA AT ALPHA = 0

FOREBODY DRAG COEFFICIENT, CDF

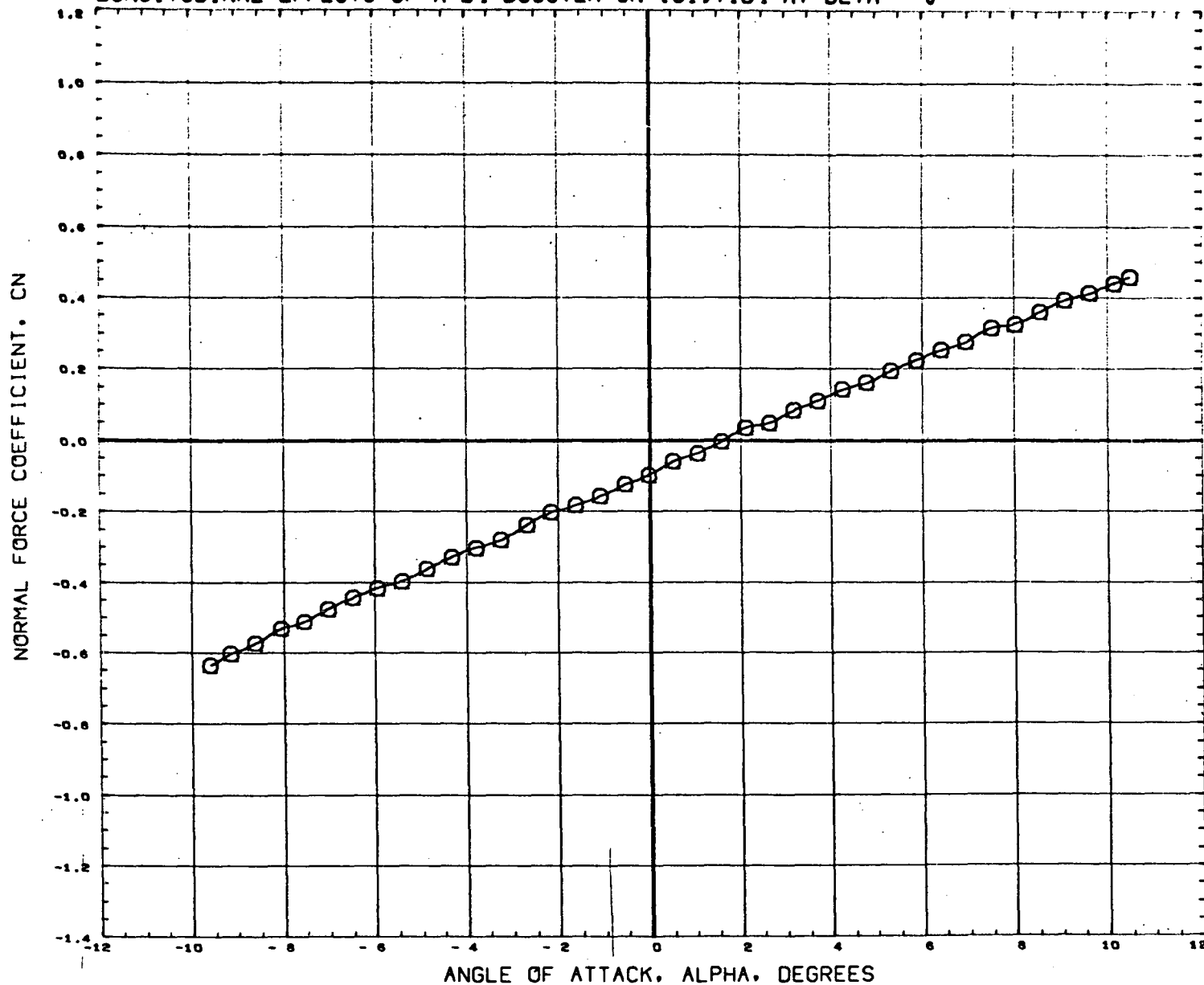


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7415)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7416)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	662.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060



MACH 1.10

PAGE 579

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C07421)  MDAC S-222 COMPOSITE (T-CG) (01)T1B4  
 (C07423)  DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (C07422)  DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

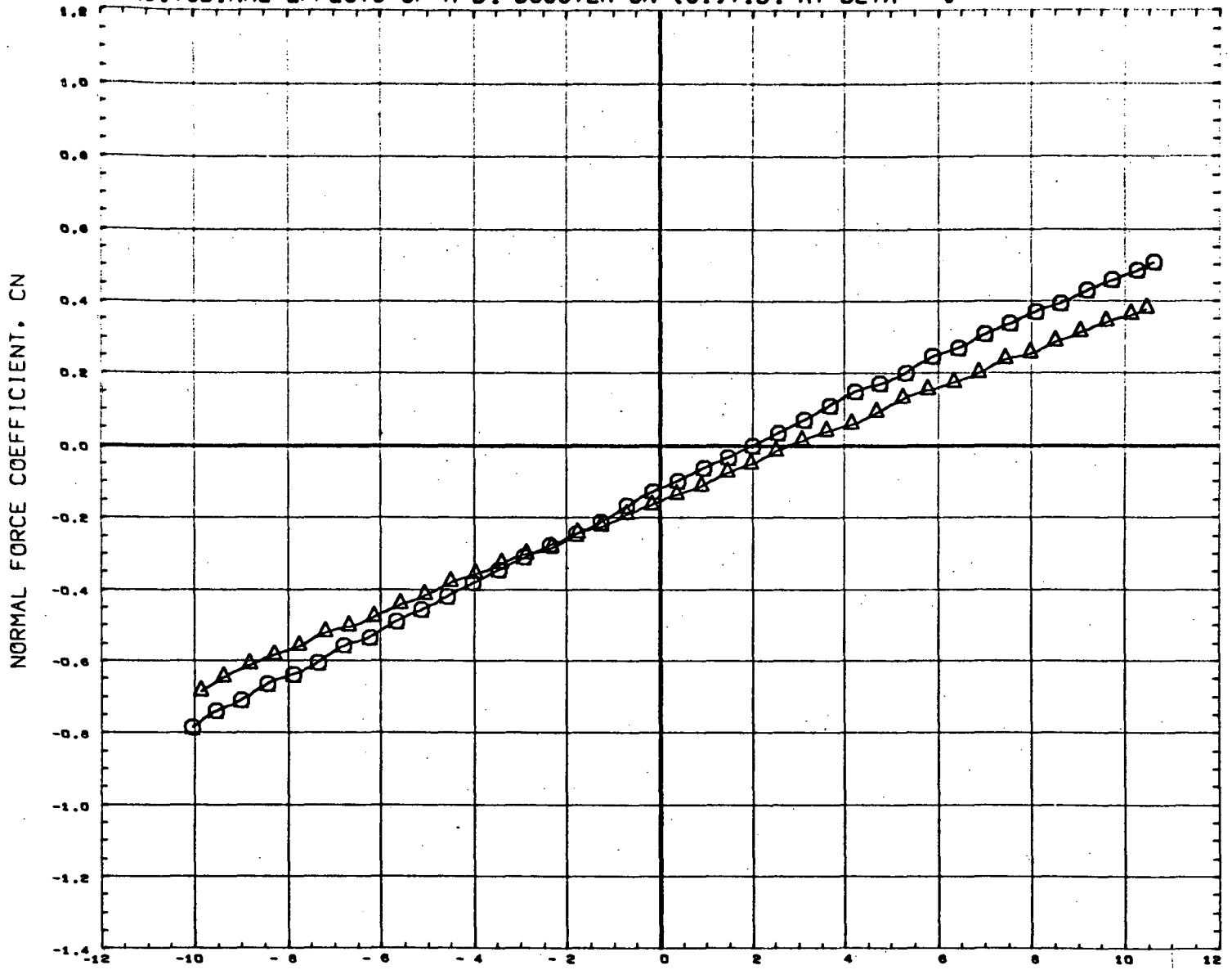
REFERENCE INFORMATION

SREF	3155.3040	SQ. FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH .59

PAGE 580

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0



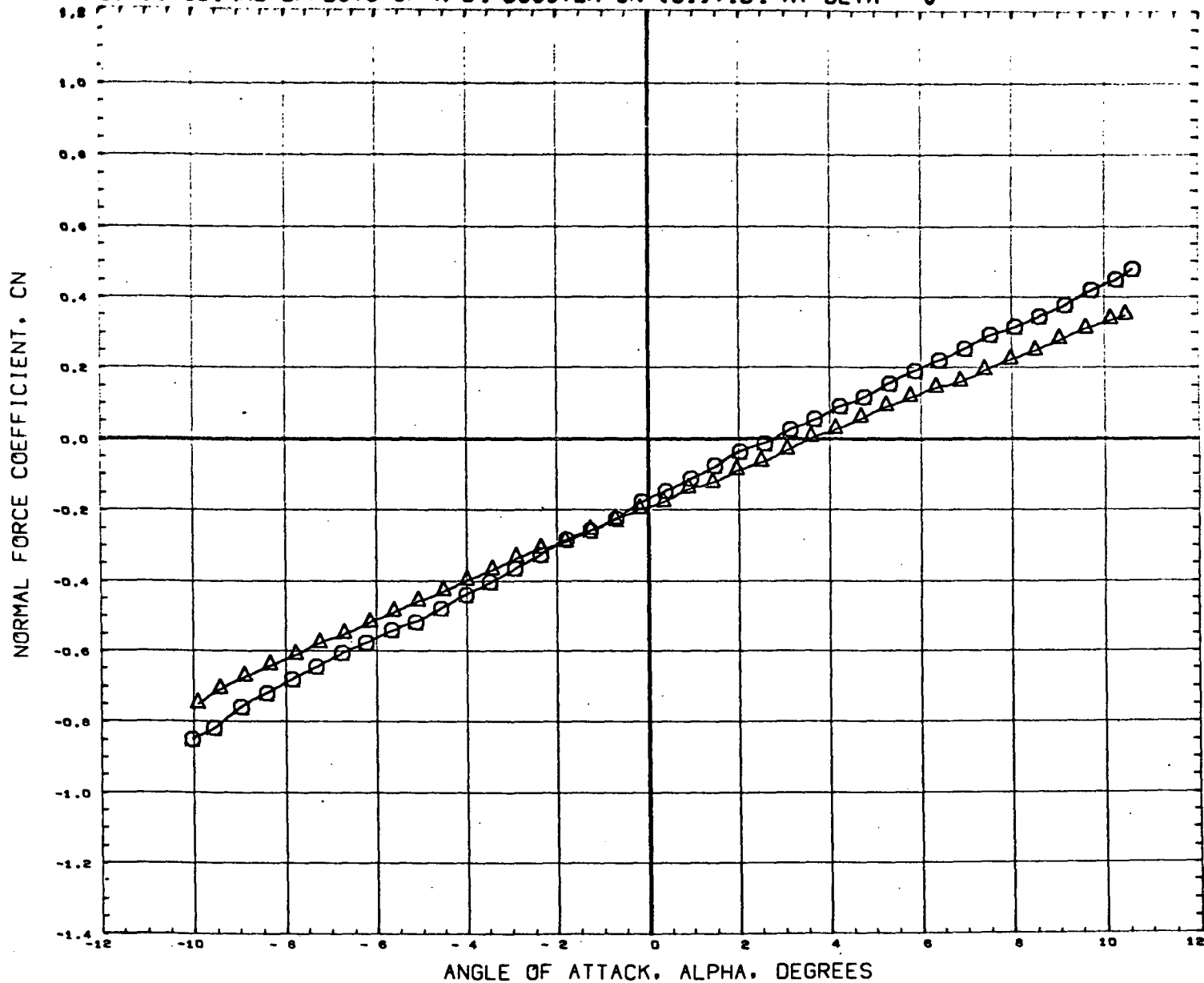
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7421)    ○    MDAC S-222 COMPOSITE (T-CG) (01)T1B4  
 (CD7425)    △    MDAC S-222 COMPOSITE (T-CG) (01)T1B4L (B4R)  
 (CD7422)    ◇    DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
0.000	0.000	0.000	0.000	BREF	882.0004 IN.
				XMRF	557.0004 IN.
				YMRF	0.0000 IN.
				ZMRF	200.0004 IN.
				SCALE	0.0060

MACH .90

PAGE 581

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0



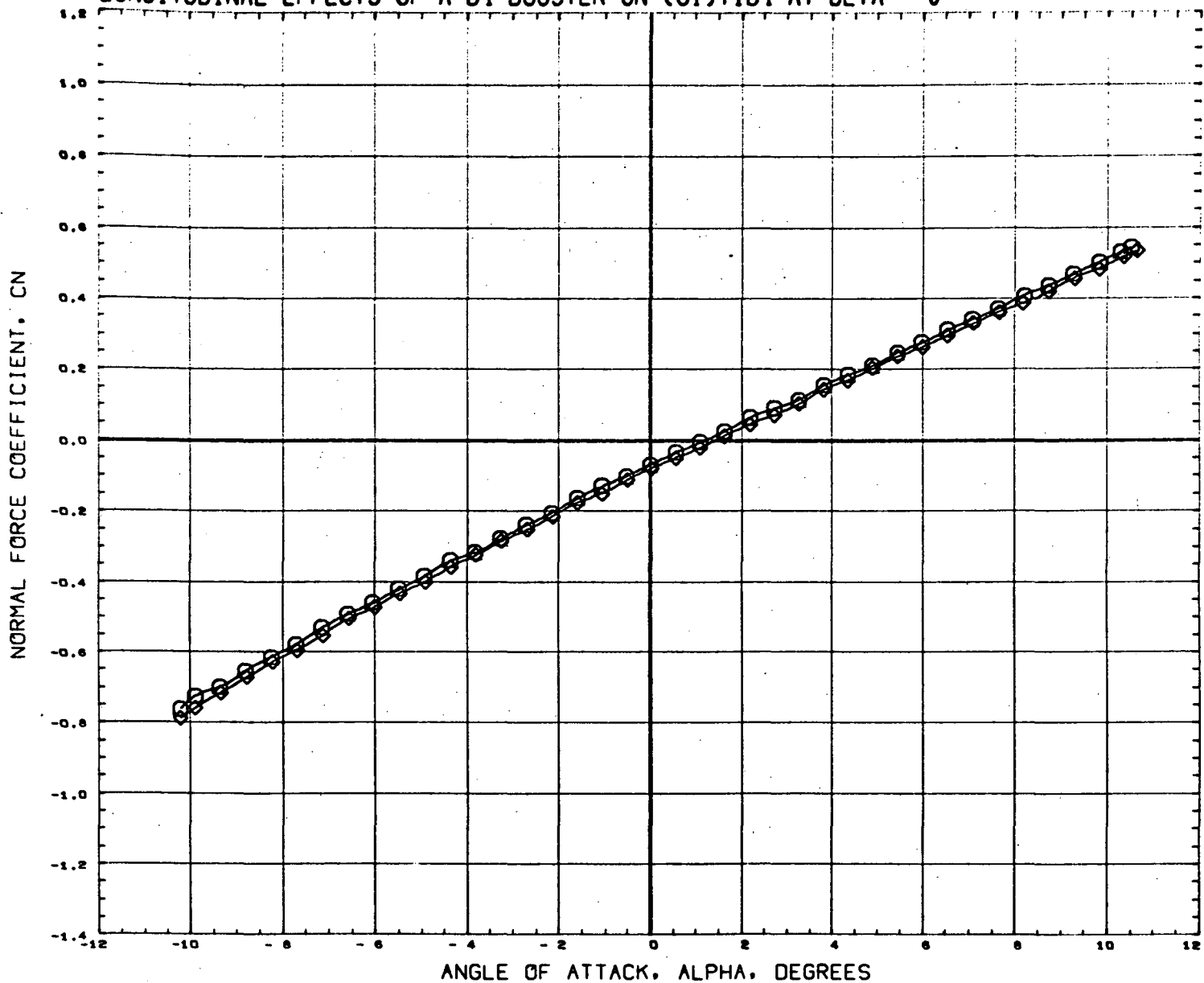
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7421)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7423)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

PAGE 582



# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (O1)T1B4 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

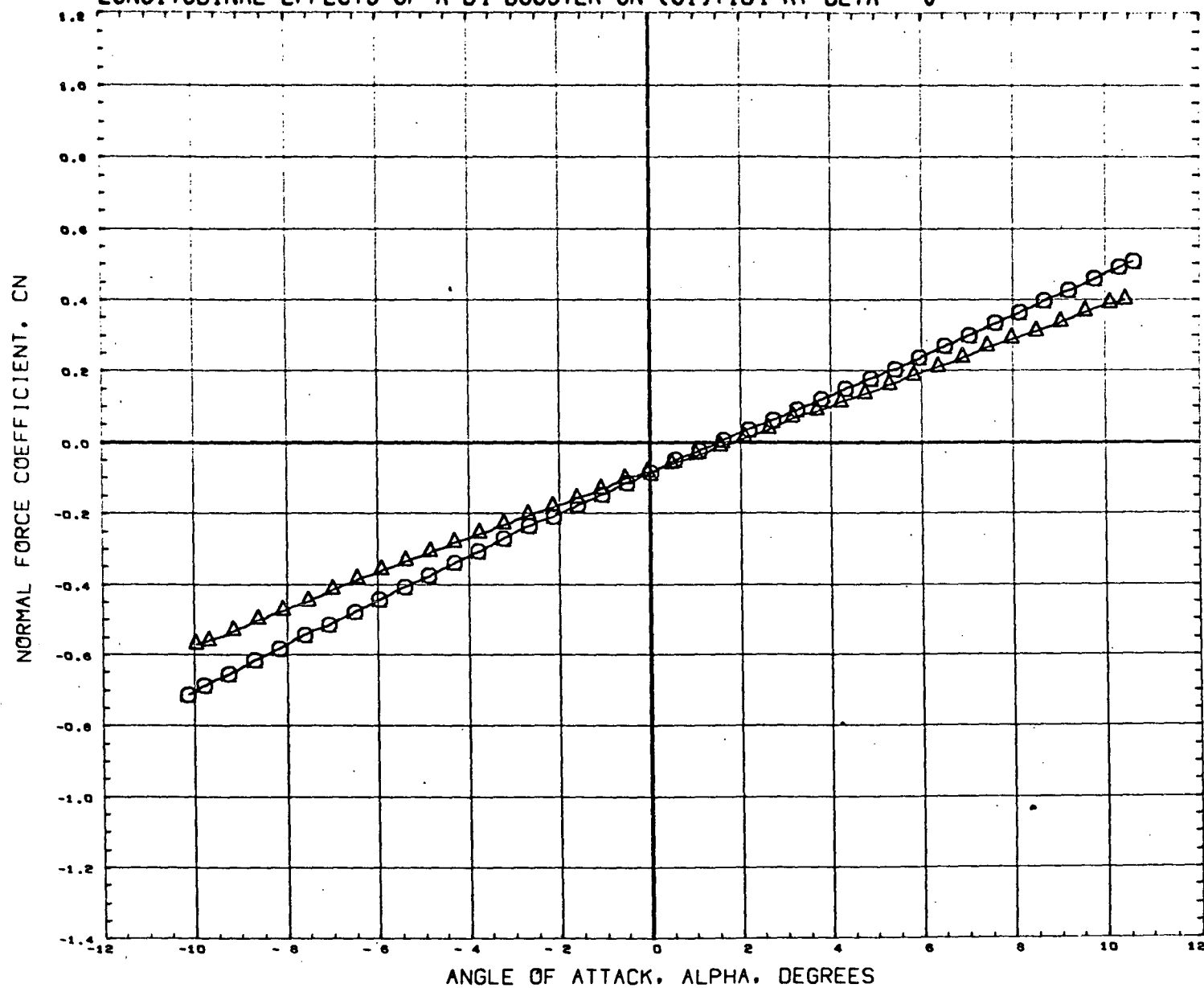
(CD7421)  $\square$  MDAC S-222 COMPOSITE (T-CG) (O1)T1B4  
 (CD7423)  $\square$  DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7422)  $\diamond$  MDAC S-222 COMPOSITE (T-CG) (O1)T1B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
0.000	0.000	0.000	0.000	BREF	662.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 583

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (O1)T1B4 AT BETA = 0

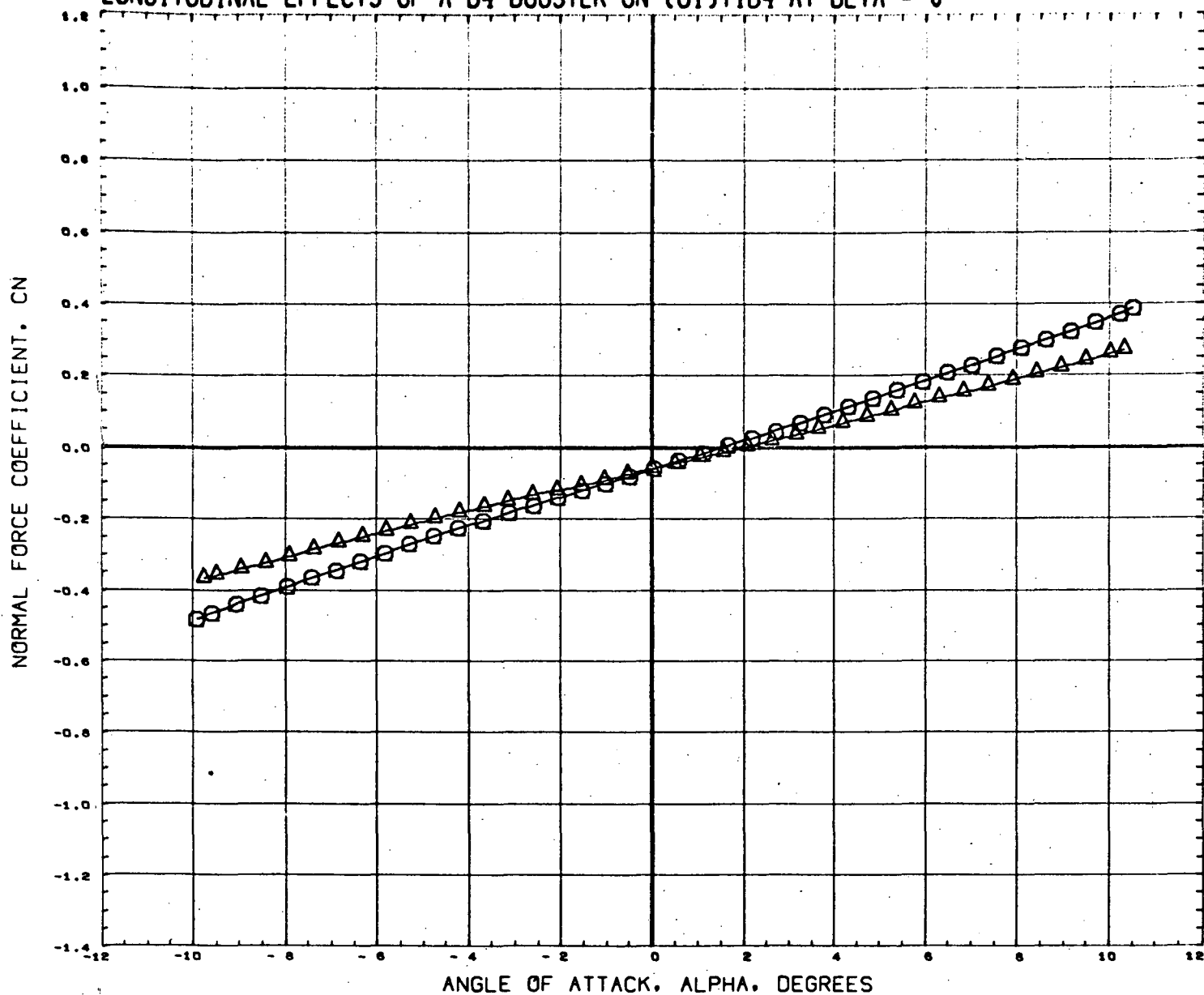


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7421)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7425)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 584

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (O1)T1B4 AT BETA = 0



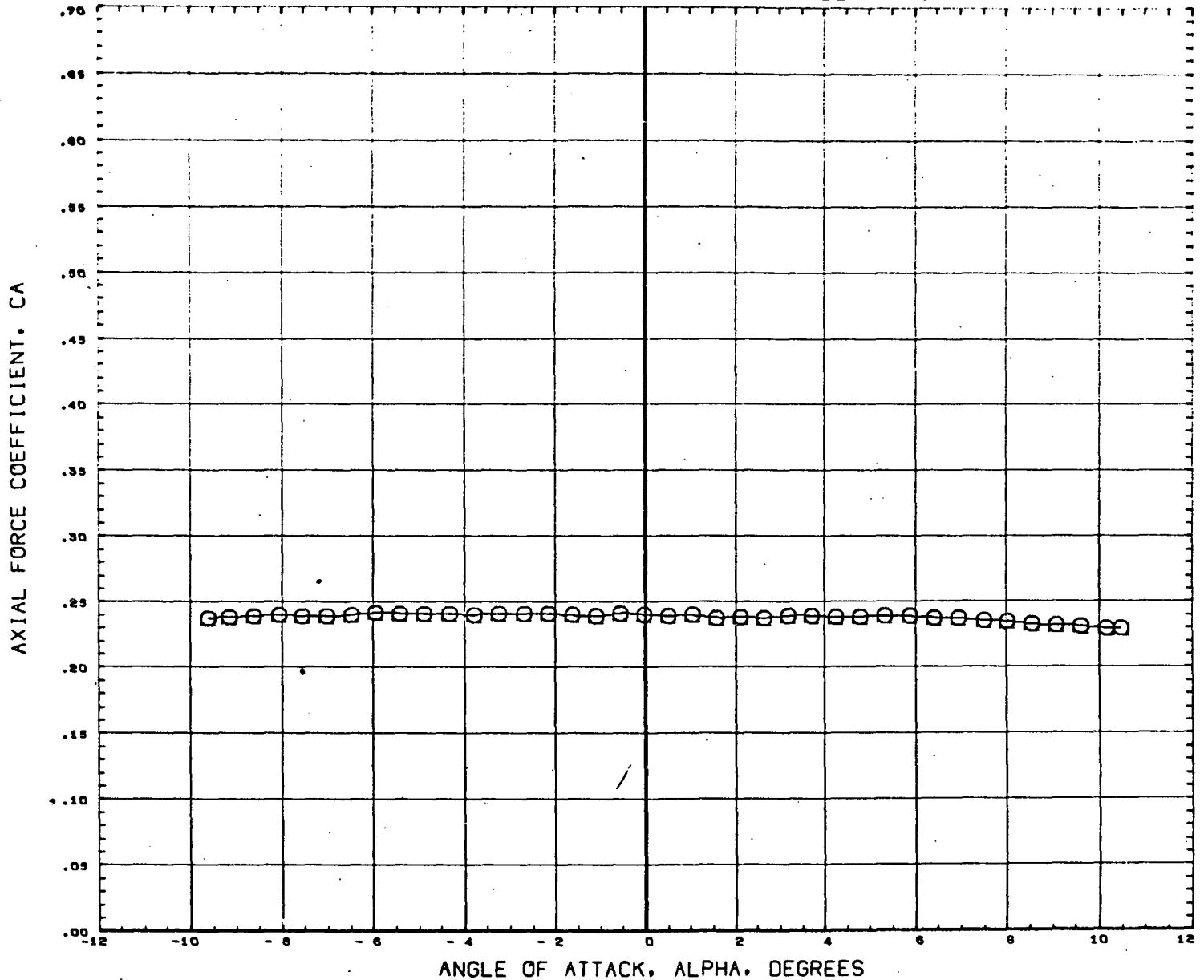
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7421)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ. FT.
(CD7425)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH

4.47

PAGE 585

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0

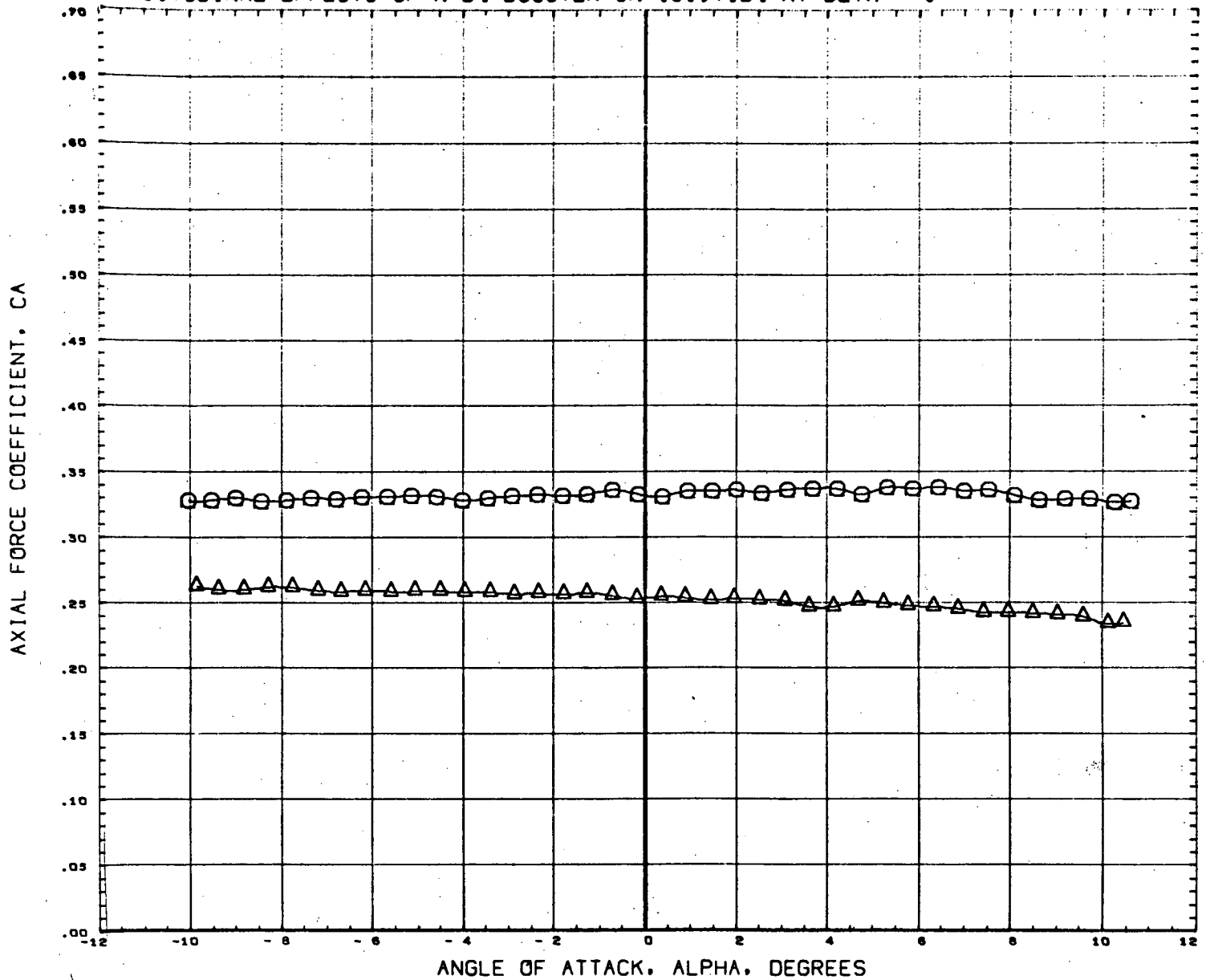


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7421)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7423)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .59

PAGE 586

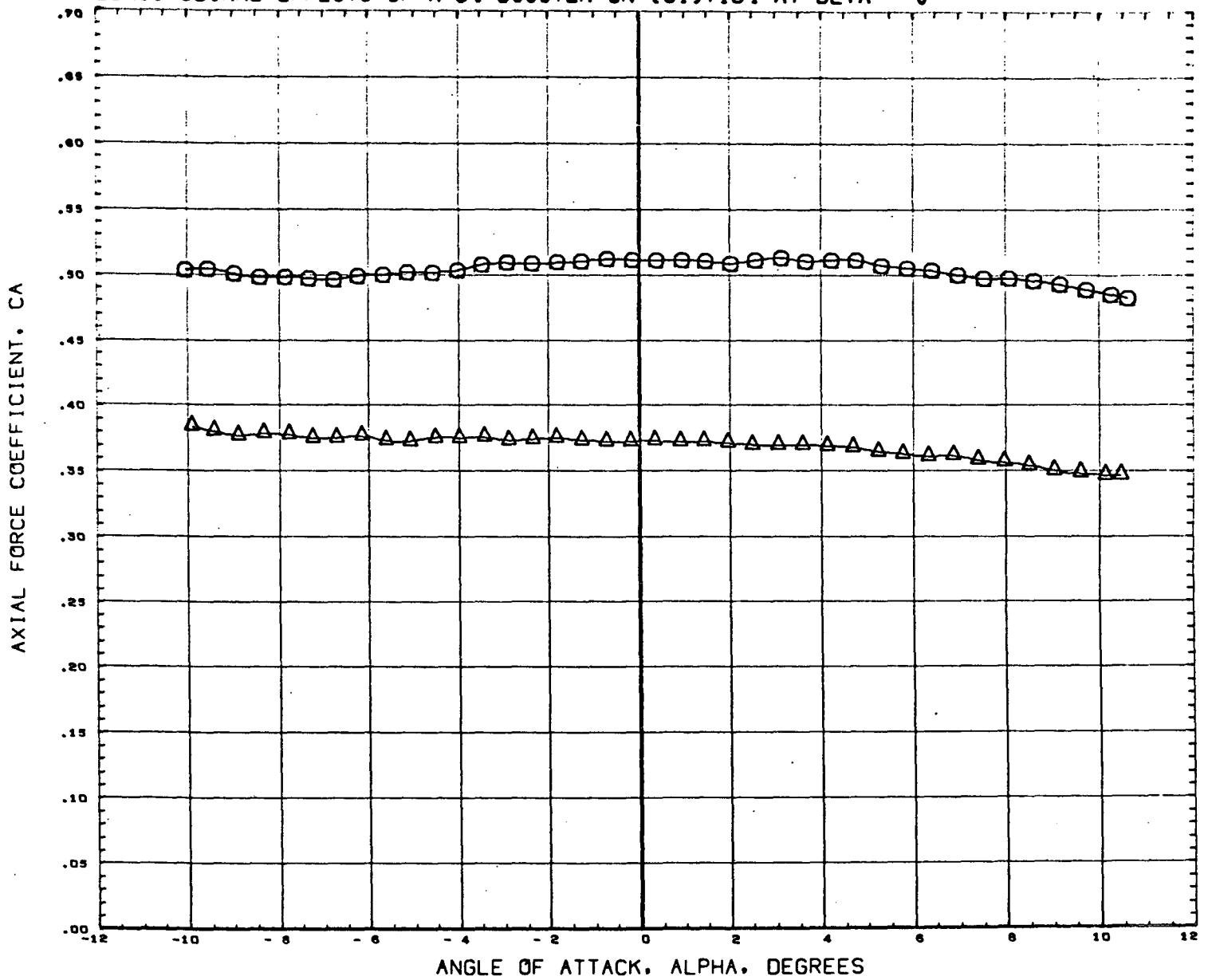
# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7421)	MDAC S-222 COMPOSITE(T-CG) (01)T1B4
(CD7425)	MDAC S-222 COMPOSITE(T-CG) (01)T1B4L(B4R)
(CD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
0.000	0.000	0.000	0.000	BRFP	662.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0



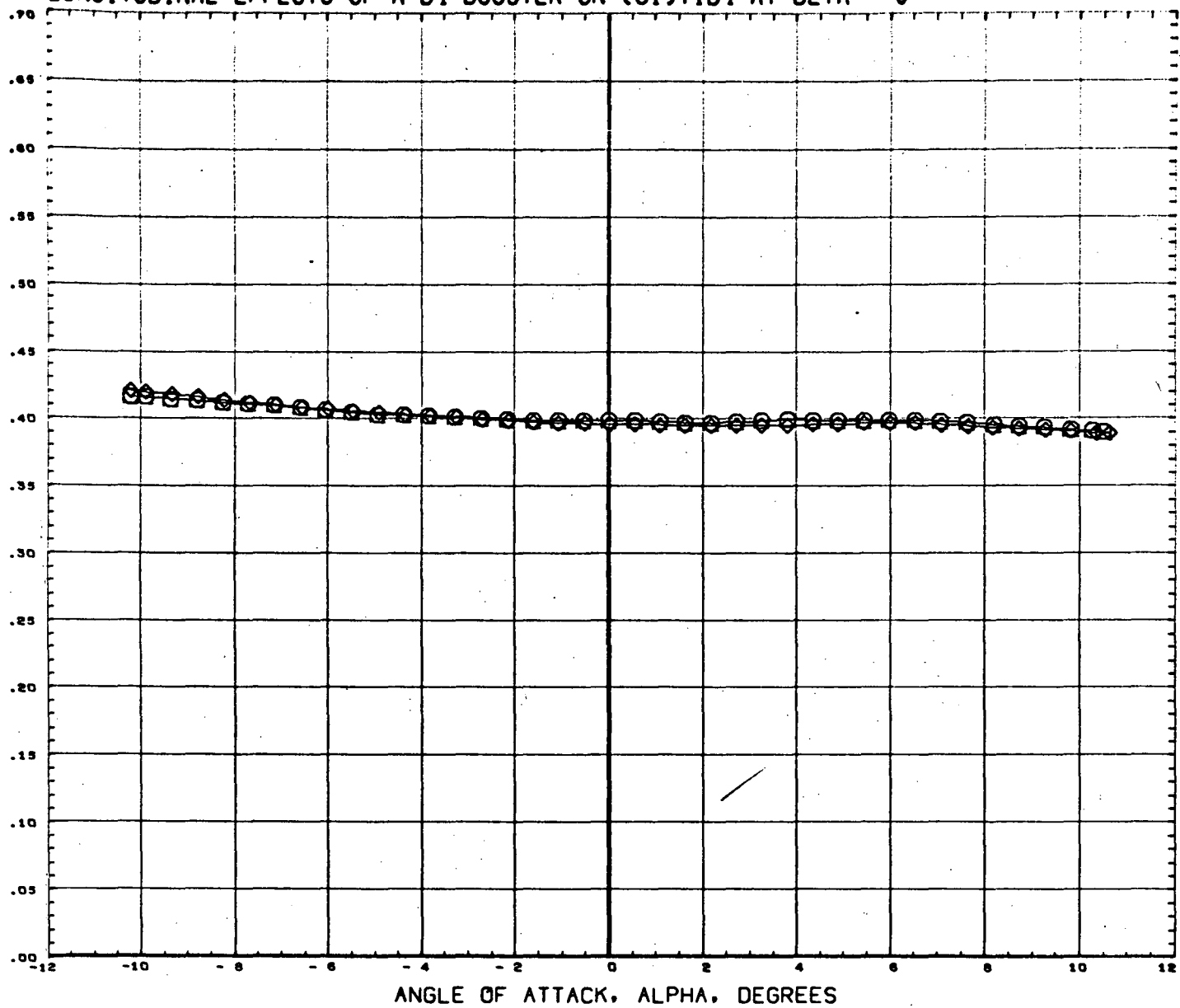
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7421)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD7425)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004	IN.
(CD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	882.0004	IN.
						XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH 1.09

PAGE 588

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0

AXIAL FORCE COEFFICIENT, CA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7421)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4
(CD7425)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(CD7422)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4

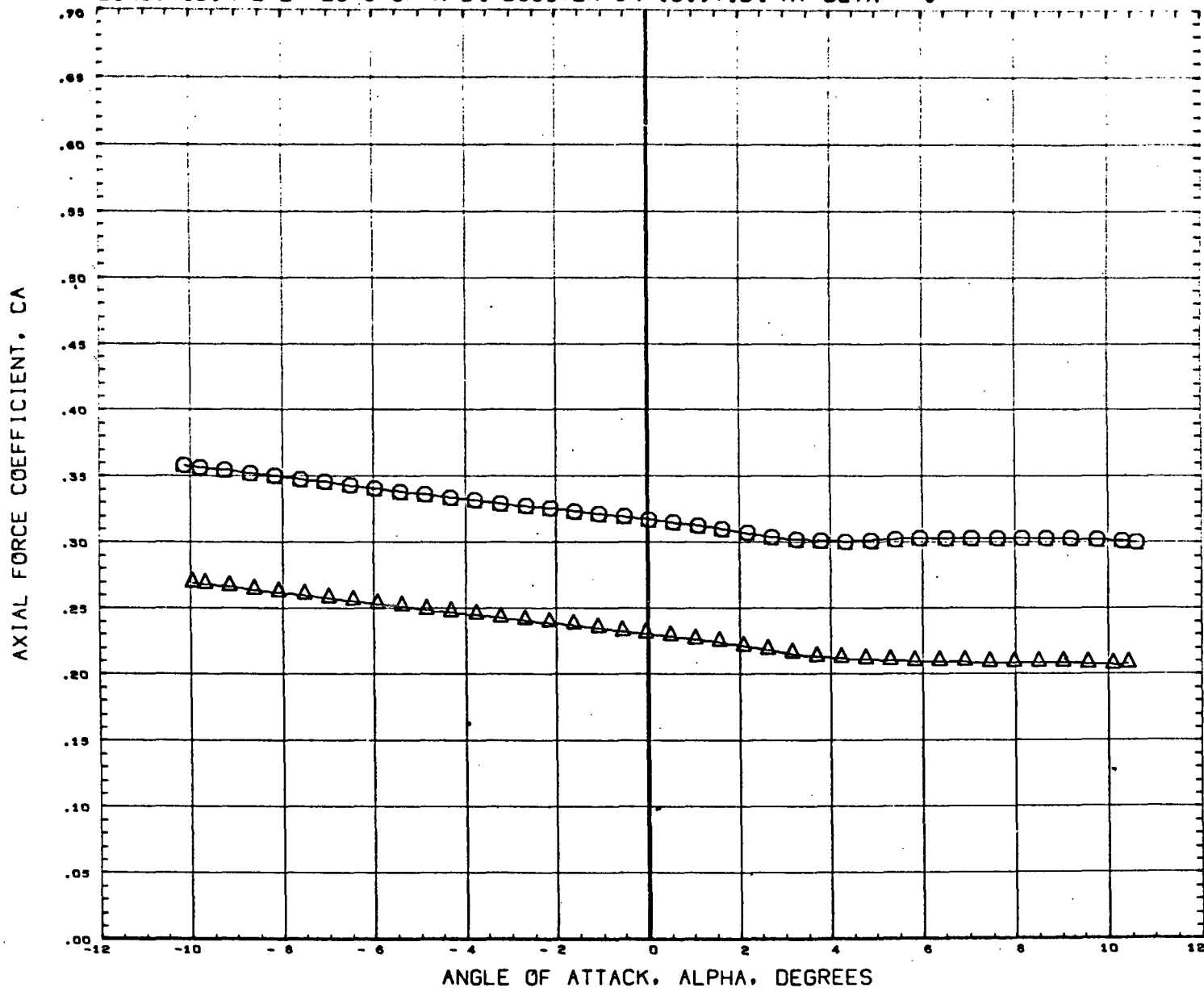
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.3004 IN.
0.000	0.000	0.000	0.000	BREF	662.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH

1.51

PAGE 589

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (O1)T1B4 AT BETA = 0



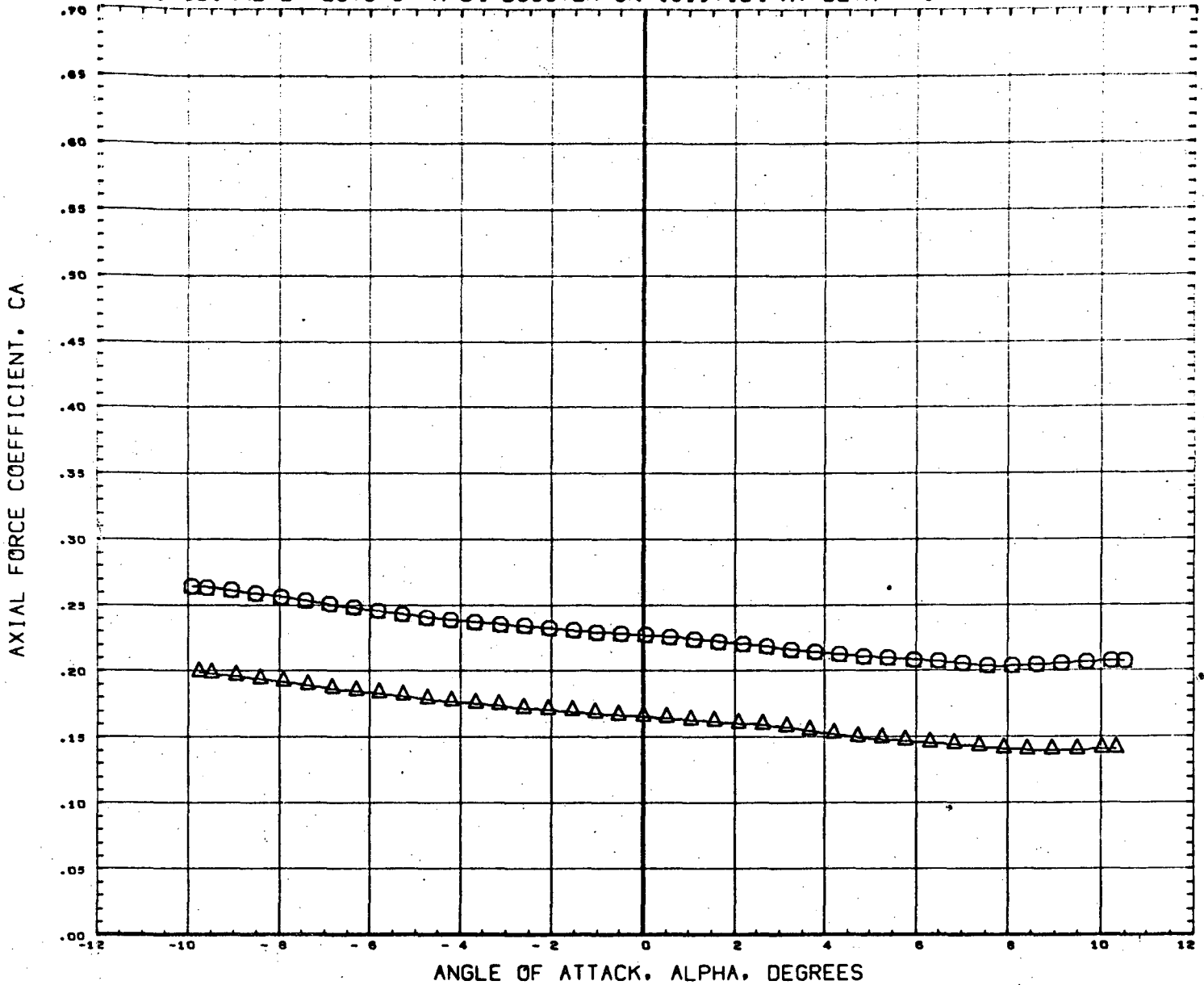
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7421)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7423)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 590



# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0



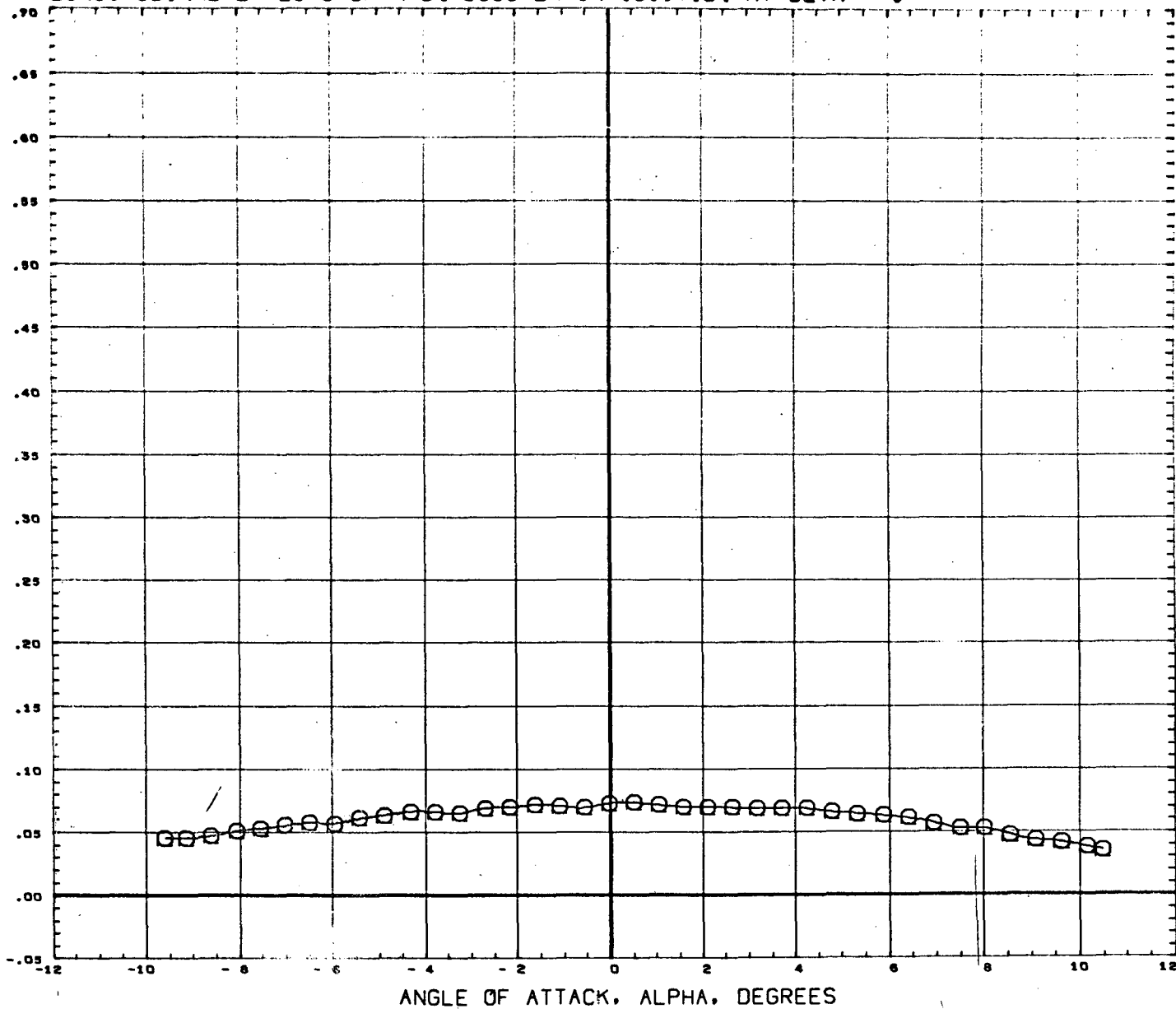
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7421)	MDAC S-222 COMPOSITE (T-C6) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD7423)	MDAC S-222 COMPOSITE (T-C6) (01)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004	IN.
(CD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	862.0004	IN.
						XMRF	557.0004	IN.
						YMRF	0.0000	IN.
						ZMRF	200.0004	IN.
						SCALE	0.0060	

MACH 4.47

PAGE 591

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF



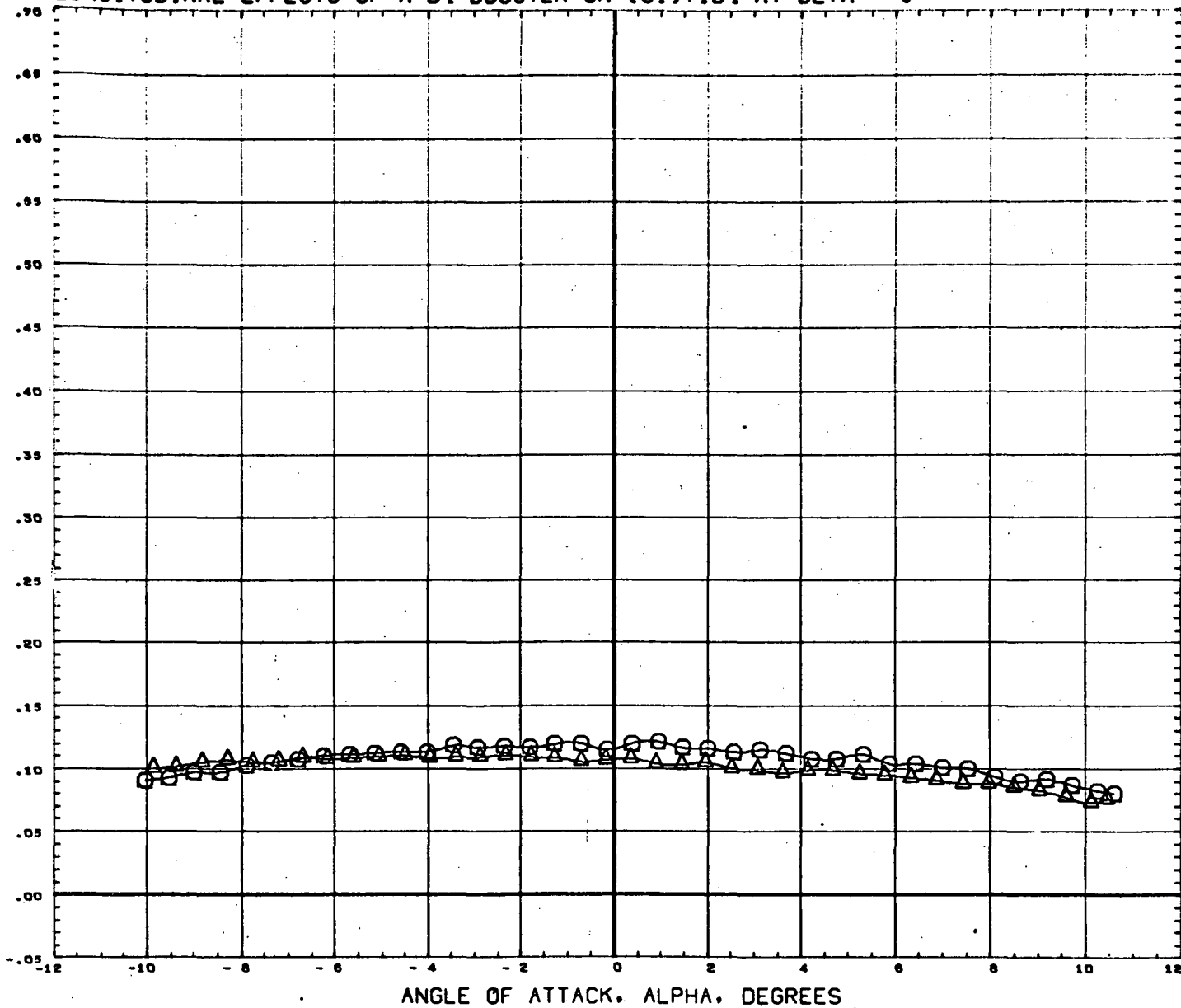
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7421)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7425)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .59

PAGE 592

FOREBODY AXIAL FORCE COEFFICIENT, CAF

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7421) MDAC S-222 COMPOSITE (T-CG) (01)T1B4  
 (CD7425) MDAC S-222 COMPOSITE (T-CG) (01)T1B4L (B4R)  
 (CD7422) DATA NOT AVAILABLE FOR ALL CONDITIONS

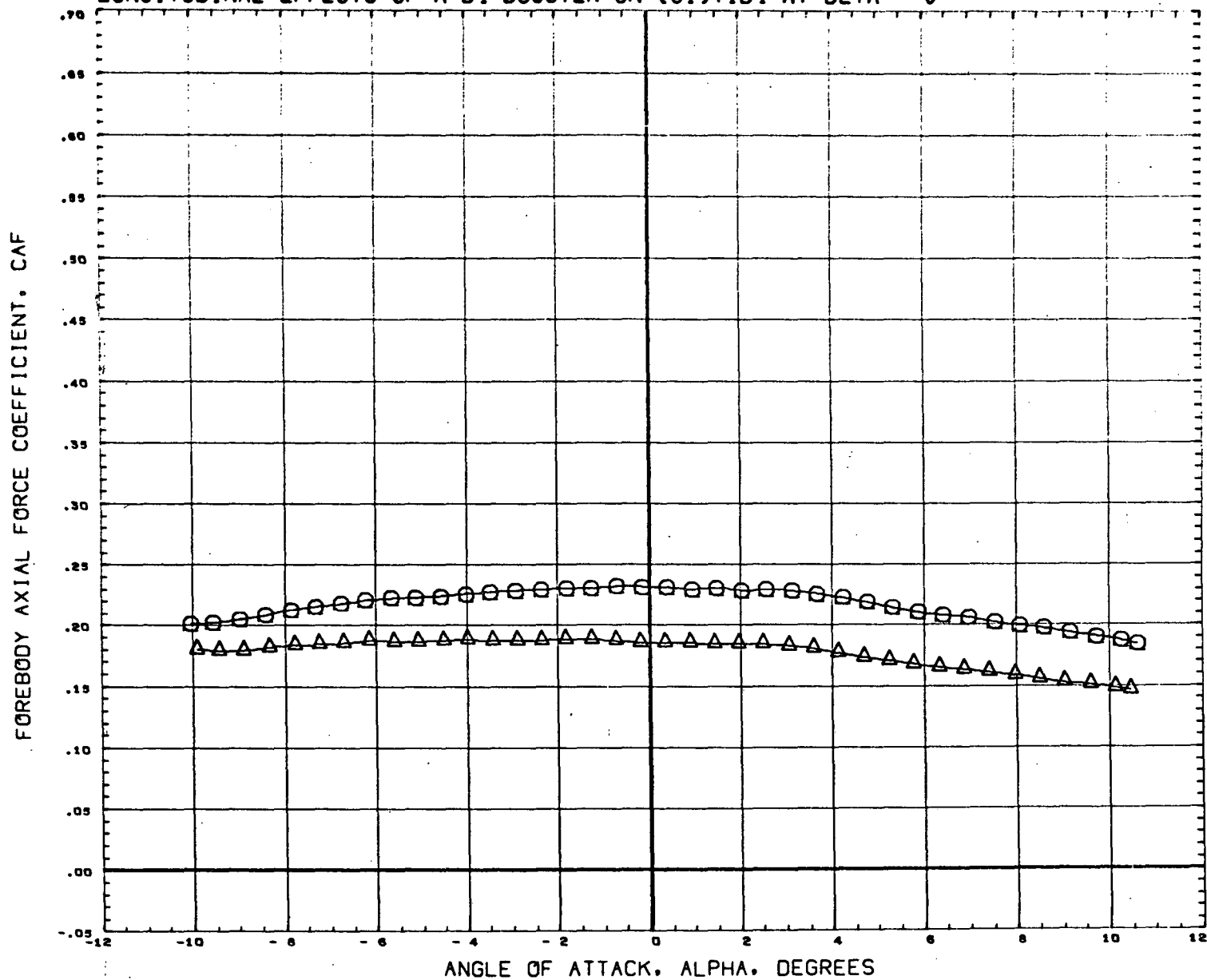
BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 0.000 0.000 0.000 0.000  
 0.000 0.000 0.000 0.000

REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 862.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH .90

PAGE 593

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0



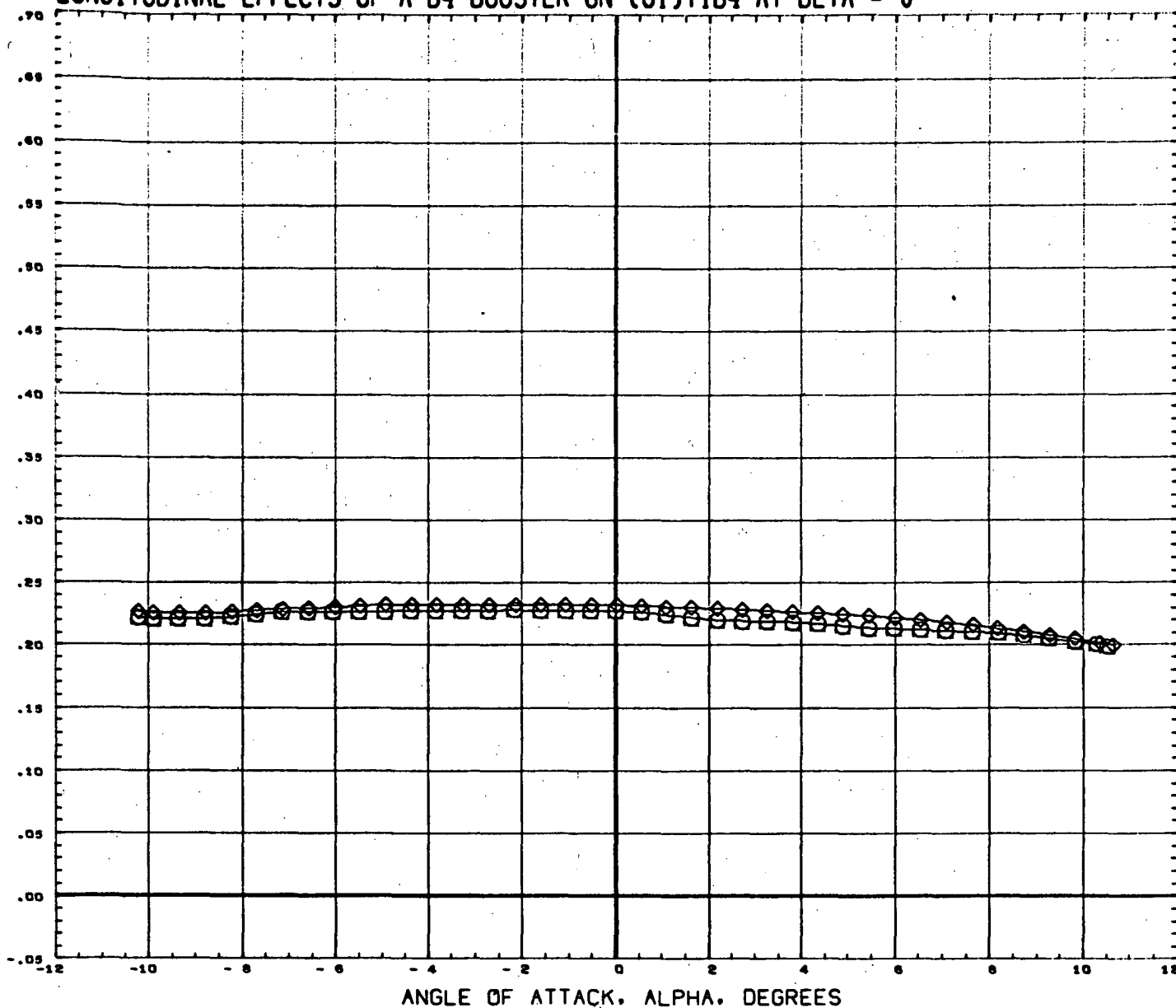
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07421)	MDAC S-222 COMPOSITE (T-CG) (01) T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07425)	MDAC S-222 COMPOSITE (T-CG) (01) T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(C07422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH 1.09

PAGE 594

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF

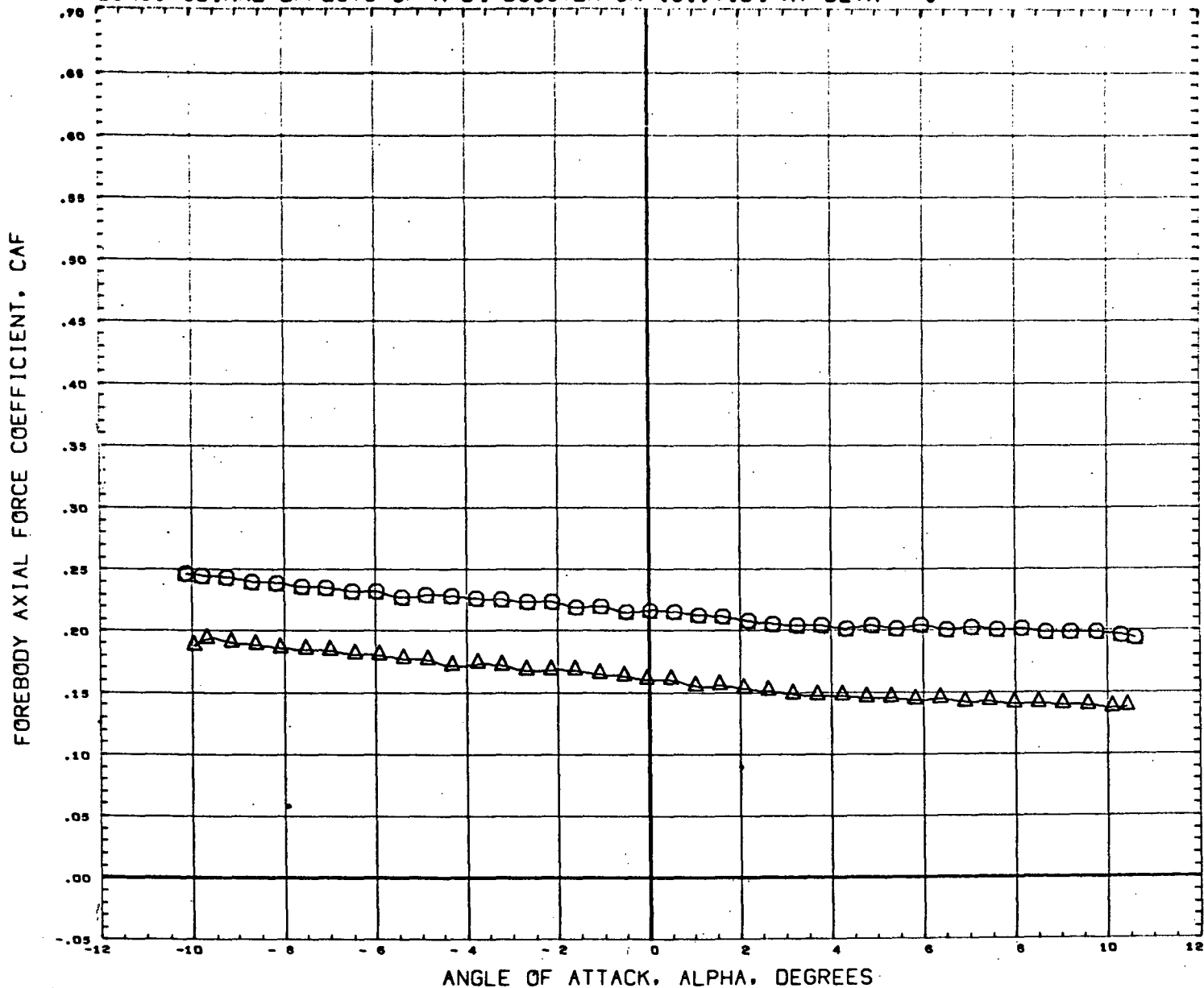


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7421)	MDAC S-222 COMPOSITE(T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7425)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7422)	MDAC S-222 COMPOSITE(T-CG) (01)T1B4	0.000	0.000	0.000	0.000	BREF	682.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

PAGE 595

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0

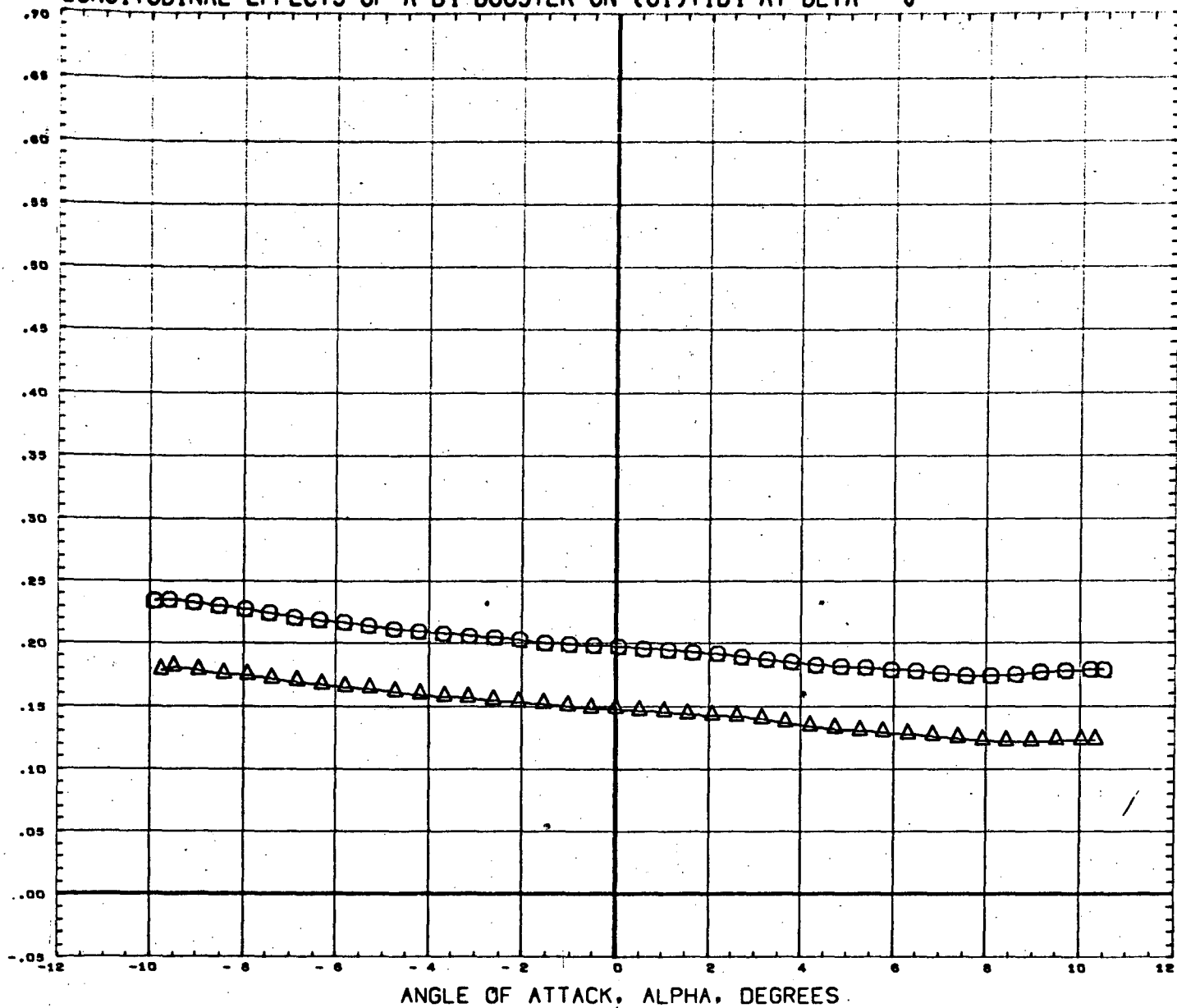


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7421)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7425)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRF	957.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0080

MACH 2.20

PAGE 596

## LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0



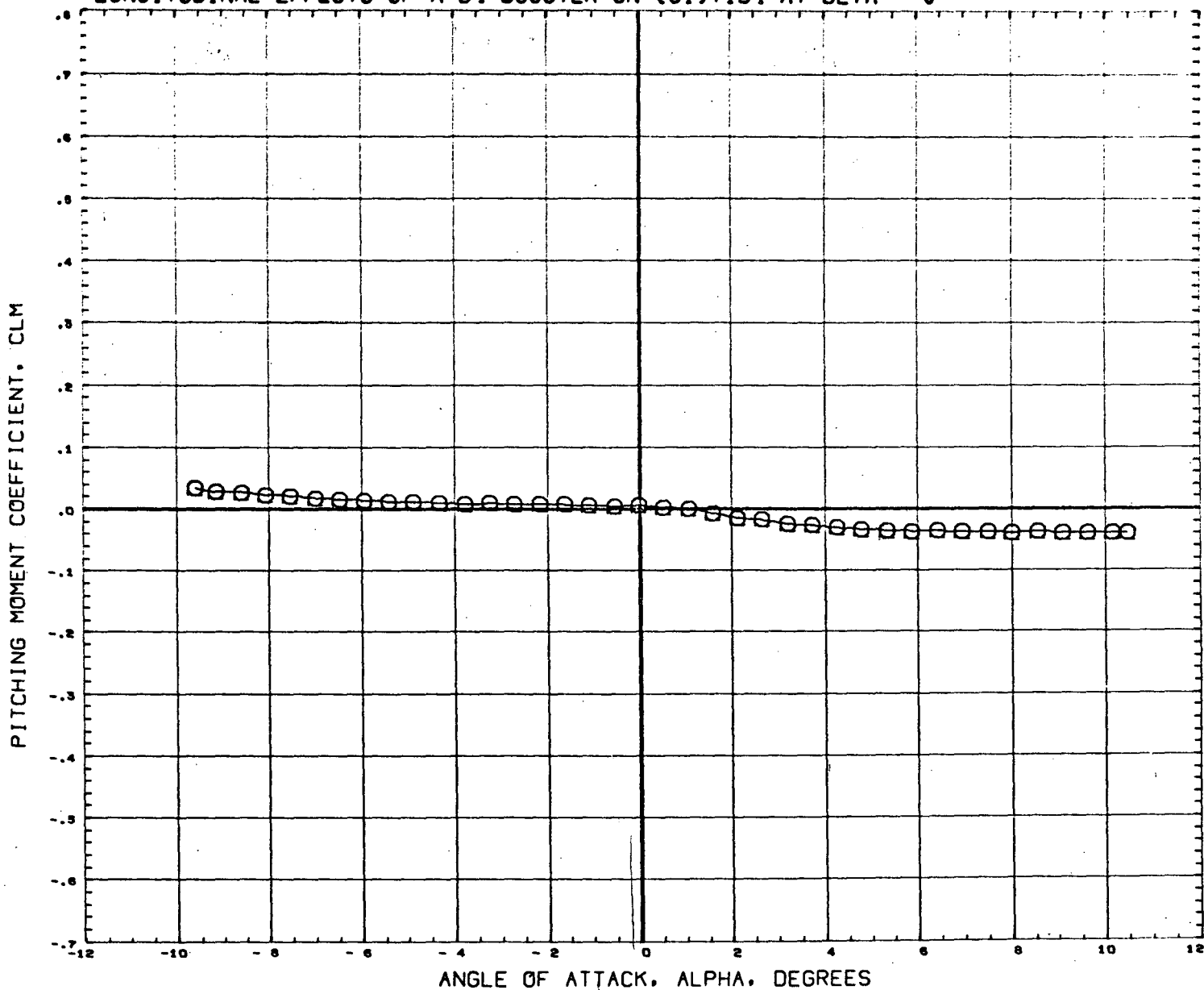
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7421)	MDAC S-222 COMPOSITE(T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD7425)	MDAC S-222 COMPOSITE(T-CG) (01)T1B4L(B4R)	0.000	0.000	0.000	0.000	LREF	609.5004	IN.
(CD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	682.0004	IN.
						XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH

4.47

PAGE 597

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7421)	MDAC S-222 COMPOSITE(T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7423)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

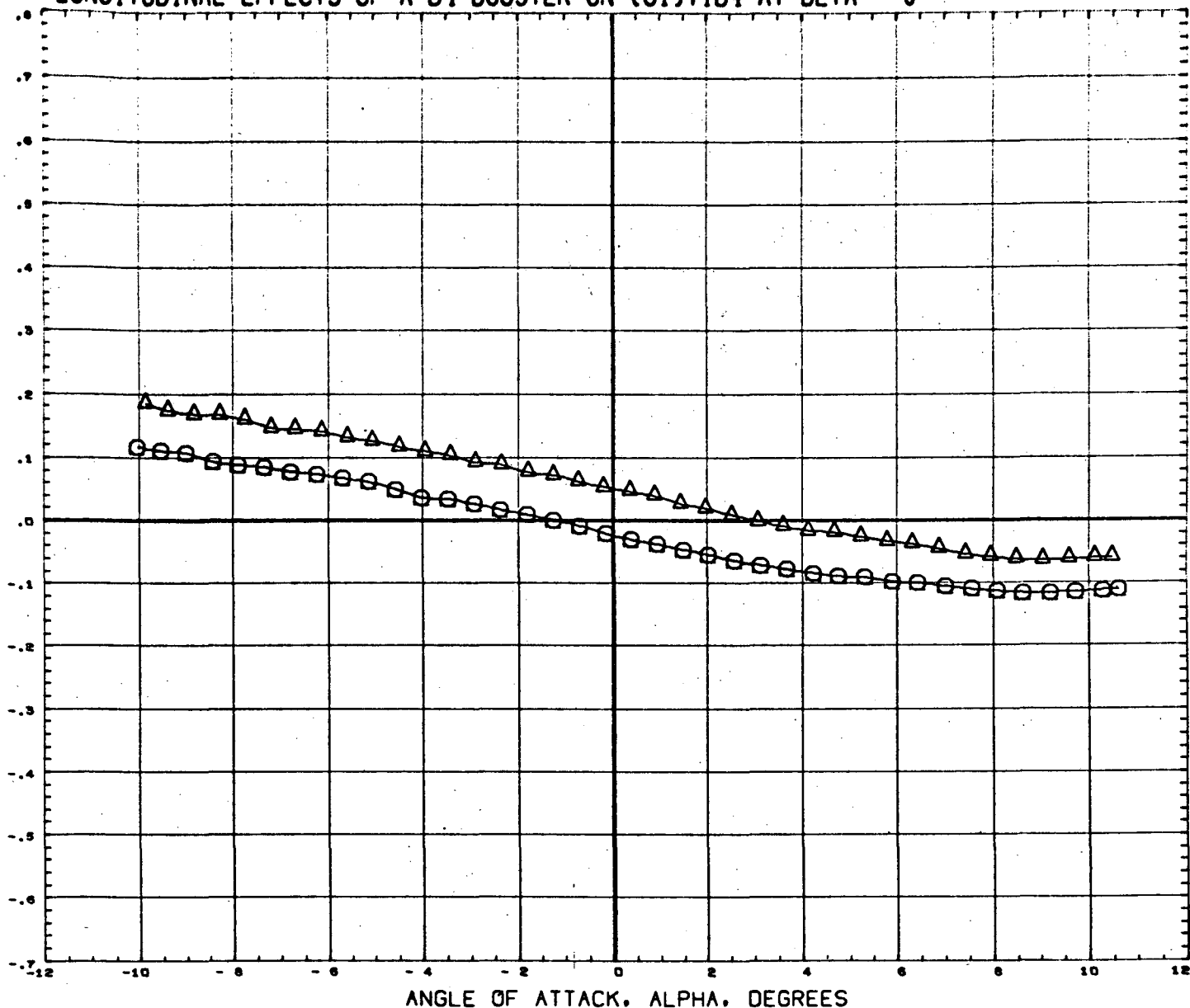
MACH .59

PAGE 598



# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0

PITCHING MOMENT COEFFICIENT, CLM



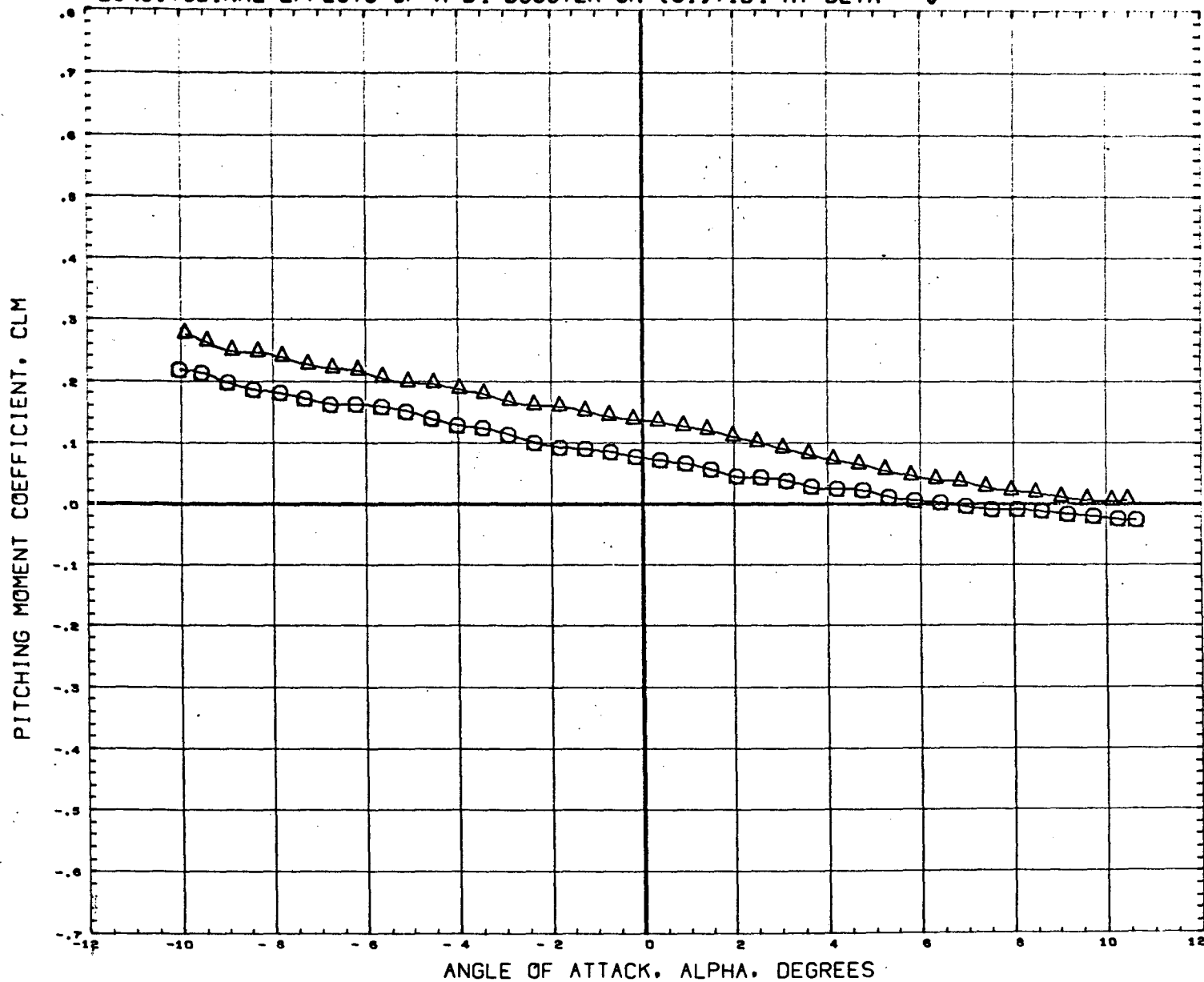
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7421)    ○    MDAC S-222 COMPOSITE (T-CG) (01)T1B4  
 (CD7425)    △    MDAC S-222 COMPOSITE (T-CG) (01)T1B4L (B4R)  
 (CD7422)    ◇    DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
0.000	0.000	0.000	0.000	BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .90

PAGE 599

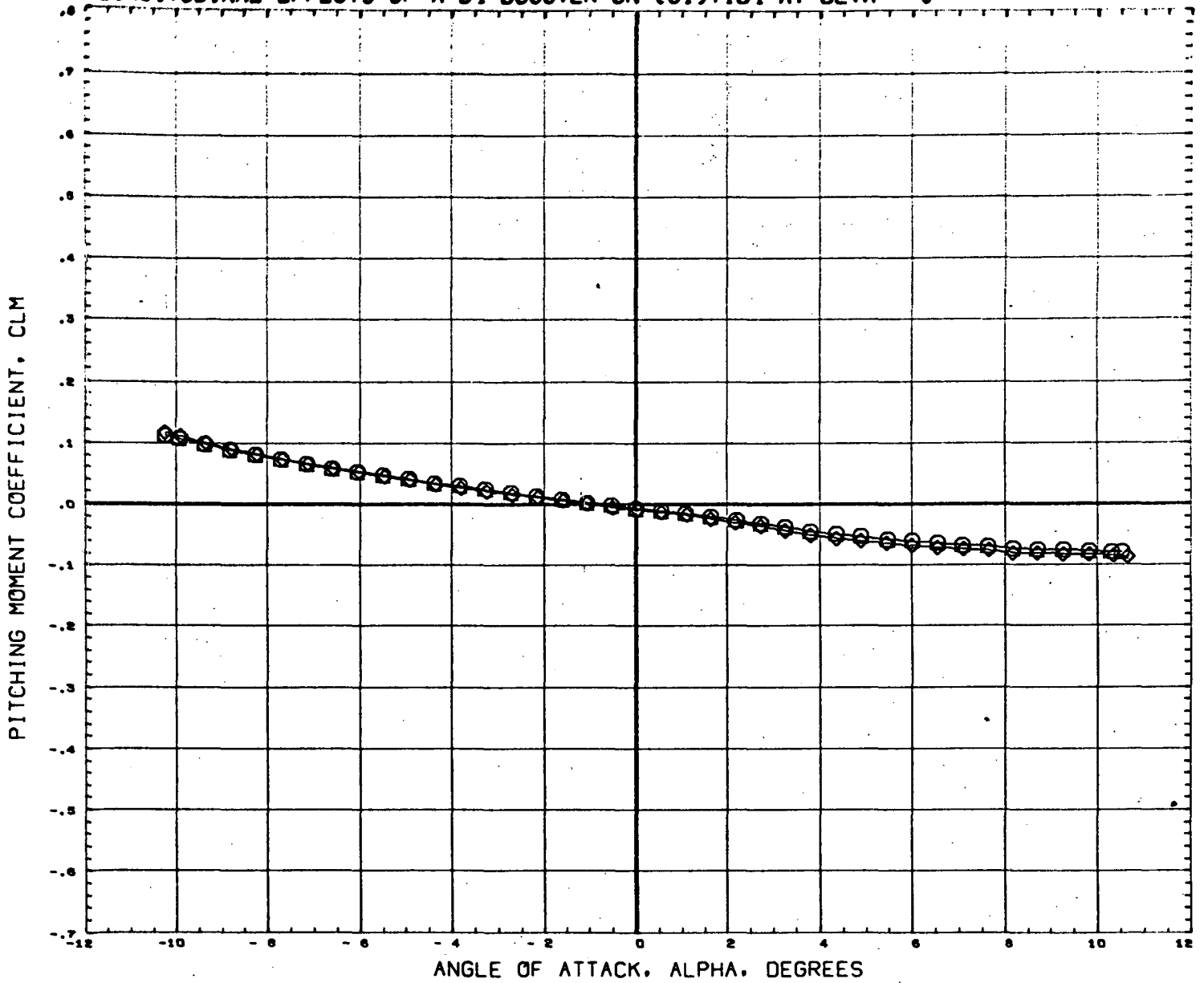
# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (O1)T1B4 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7421)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B4
(CD7425)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B4L (B4R)
(CD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
0.000	0.000	0.000	0.000	BREF	882.0004 IN.
				XMHP	557.0004 IN.
				YMHP	0.0000 IN.
				ZMHP	200.0004 IN.
				SCALE	0.0060

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0

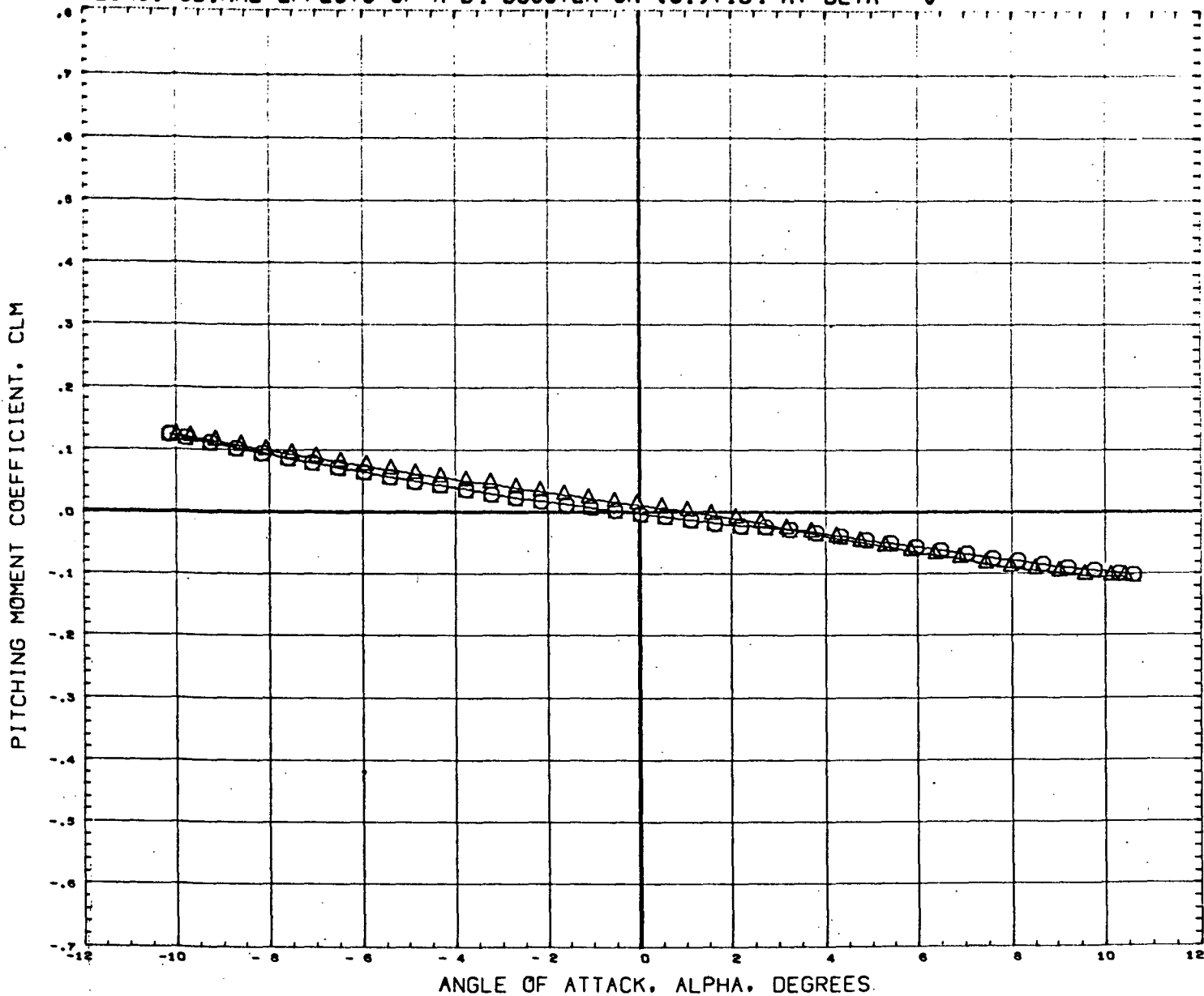


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7421)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7425)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7422)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

PAGE 601

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (O1)T1B4 AT BETA = 0

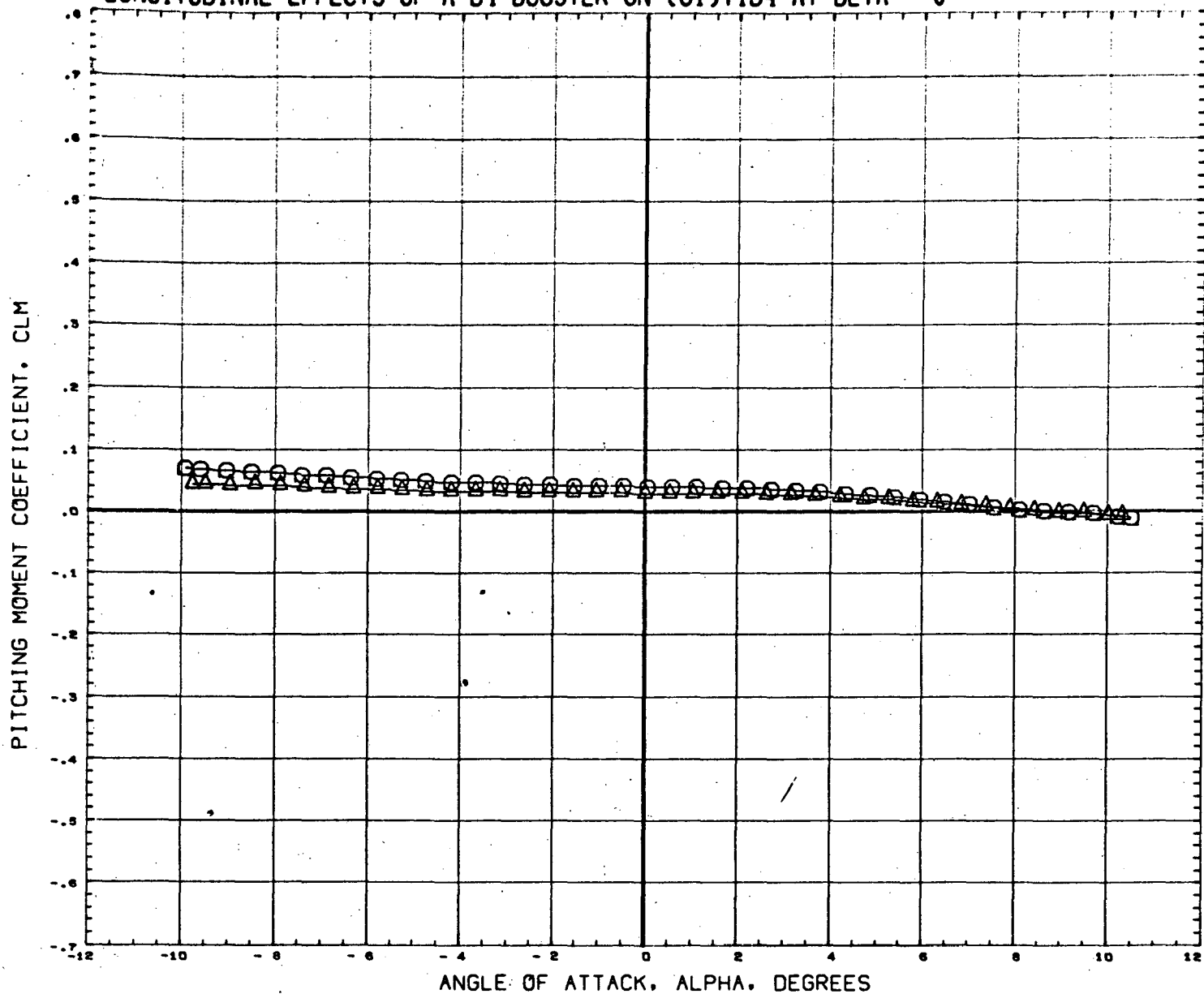


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7421)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7425)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	682.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 602

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0



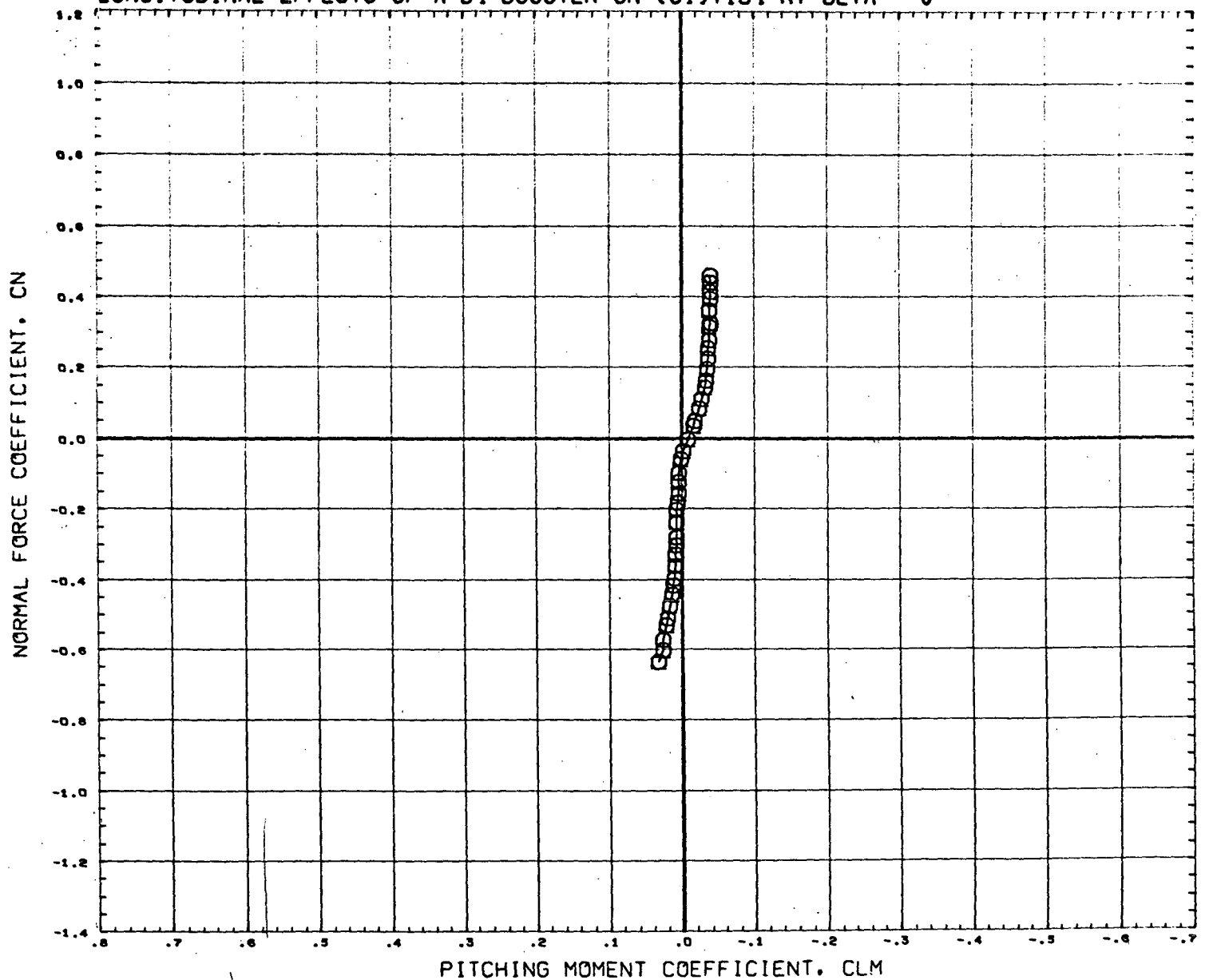
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7421)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7425)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	682.0004 IN.
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						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH

4.47

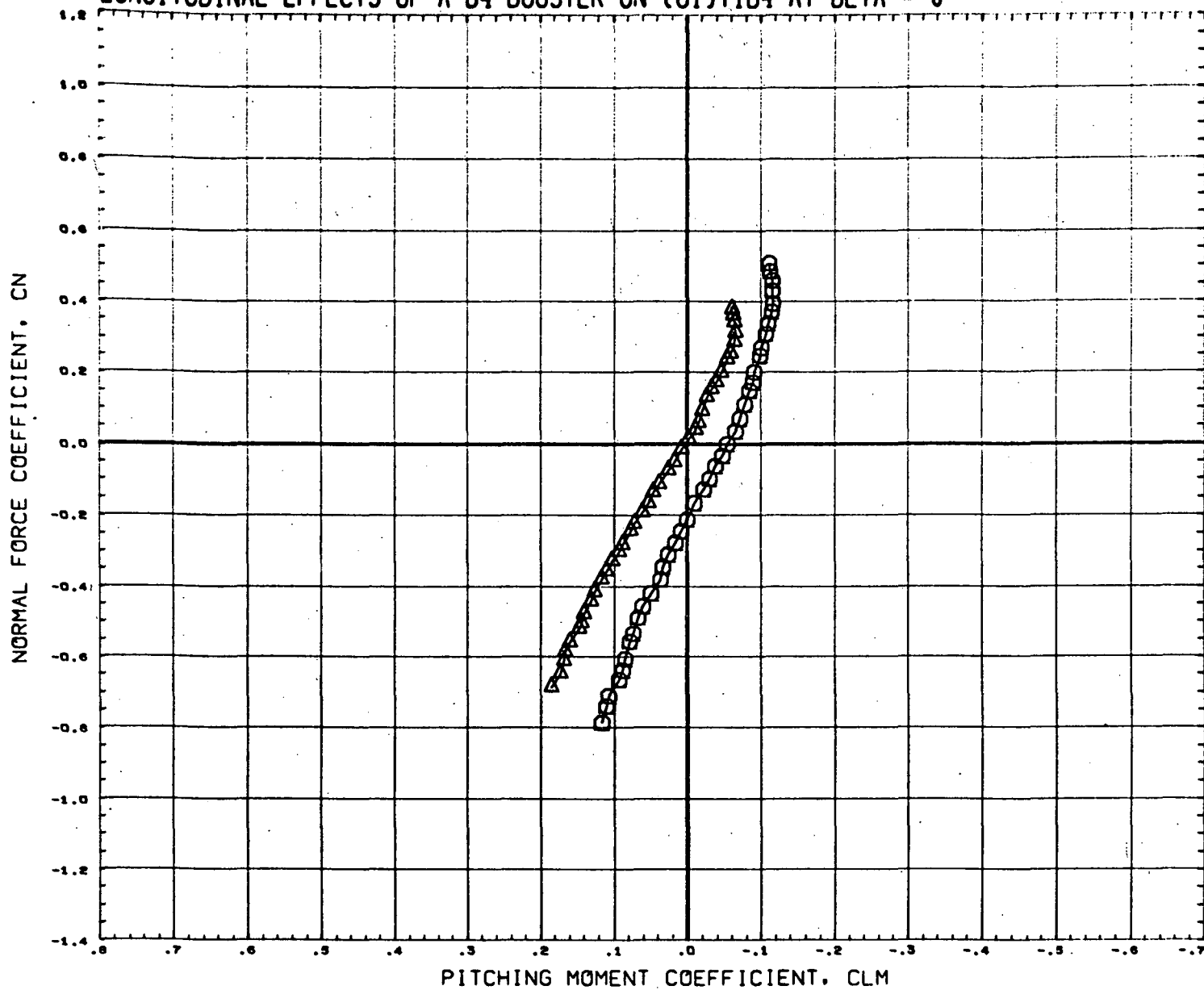
PAGE 603

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7421)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7425)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0080

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (O1)T1B4 AT BETA = 0

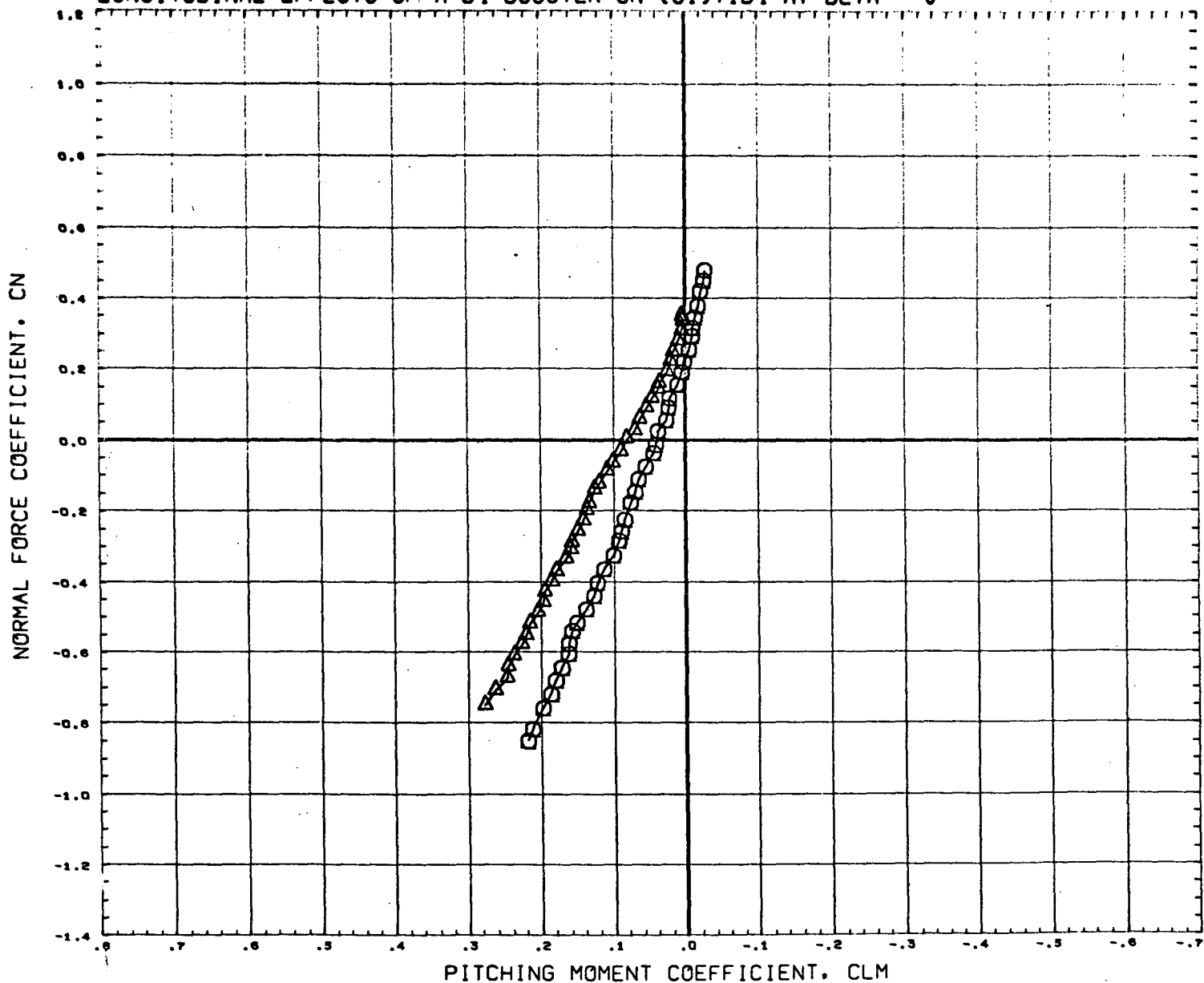


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07421)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07425)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(C07422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	862.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 605

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (O1)T1B4 AT BETA = 0

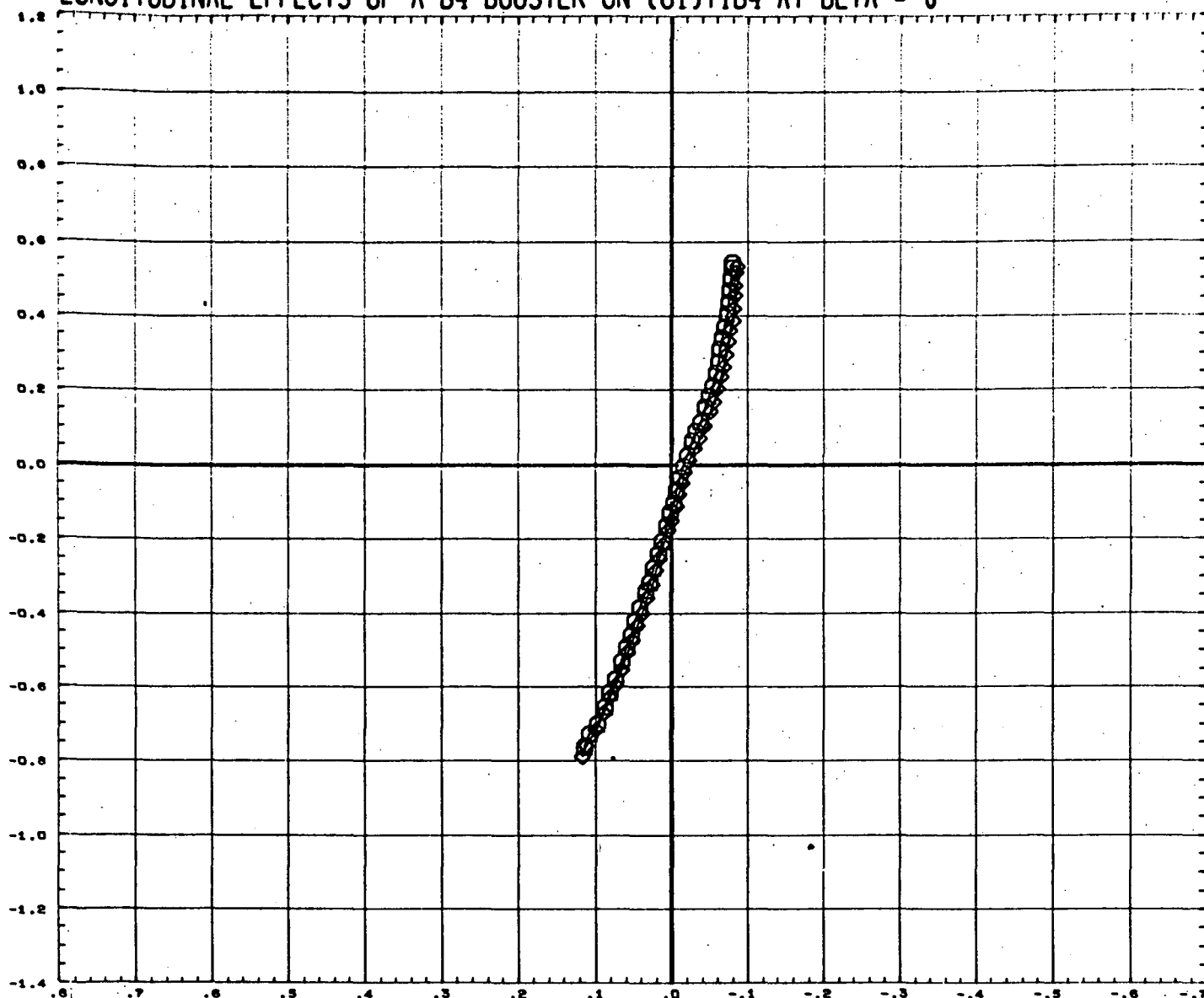


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7421)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7425)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060



# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0

NORMAL FORCE COEFFICIENT, CN



PITCHING MOMENT COEFFICIENT, CLM

DATA SET SYMBOL CONFIGURATION DESCRIPTION

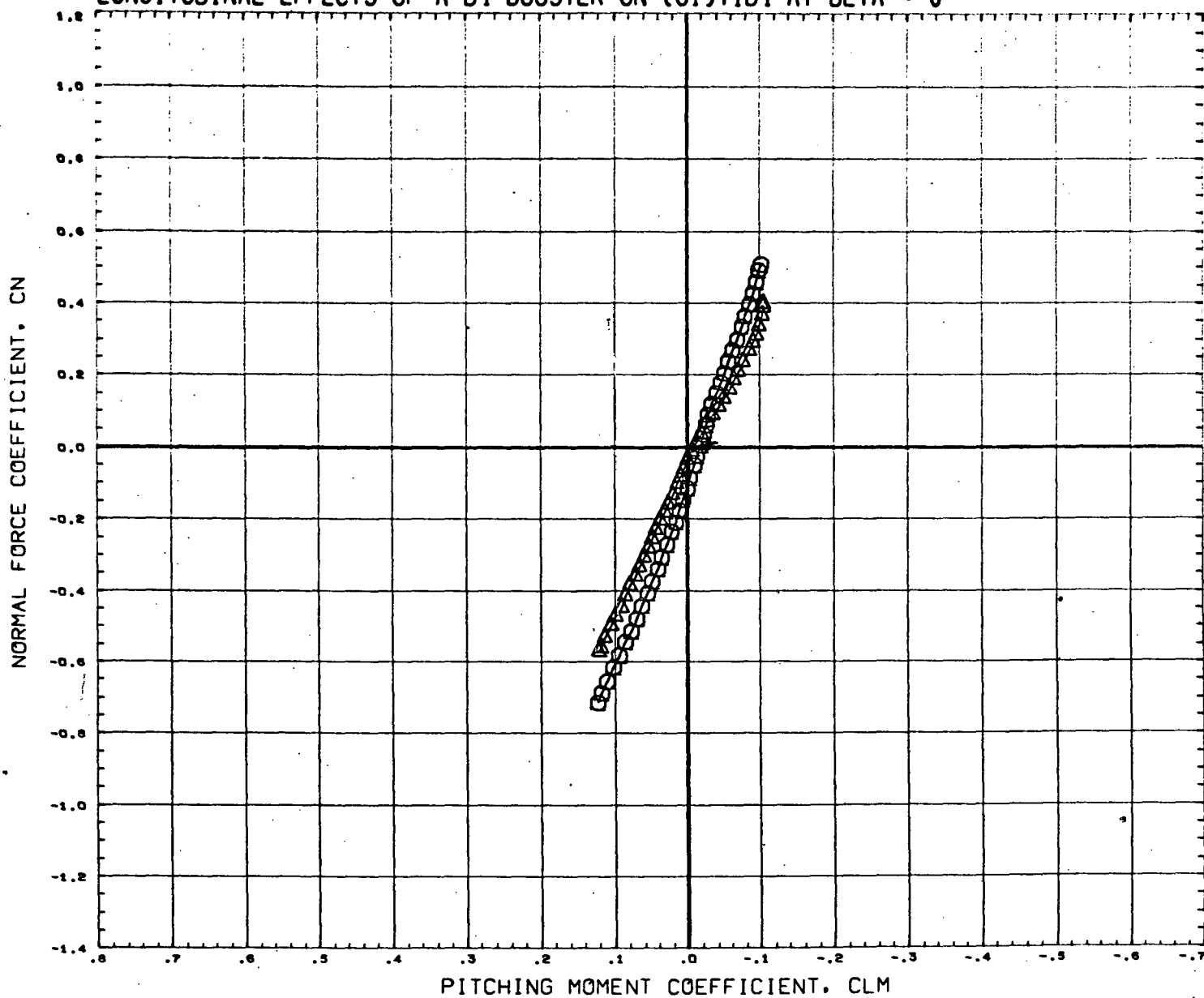
(CD7421) ○ MDAC S-222 COMPOSITE(T-CG) (01)T1B4  
 (CD7423) △ DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7422) ◇ MDAC S-222 COMPOSITE(T-CG) (01)T1B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
0.000	0.000	0.000	0.000	SREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 607

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0

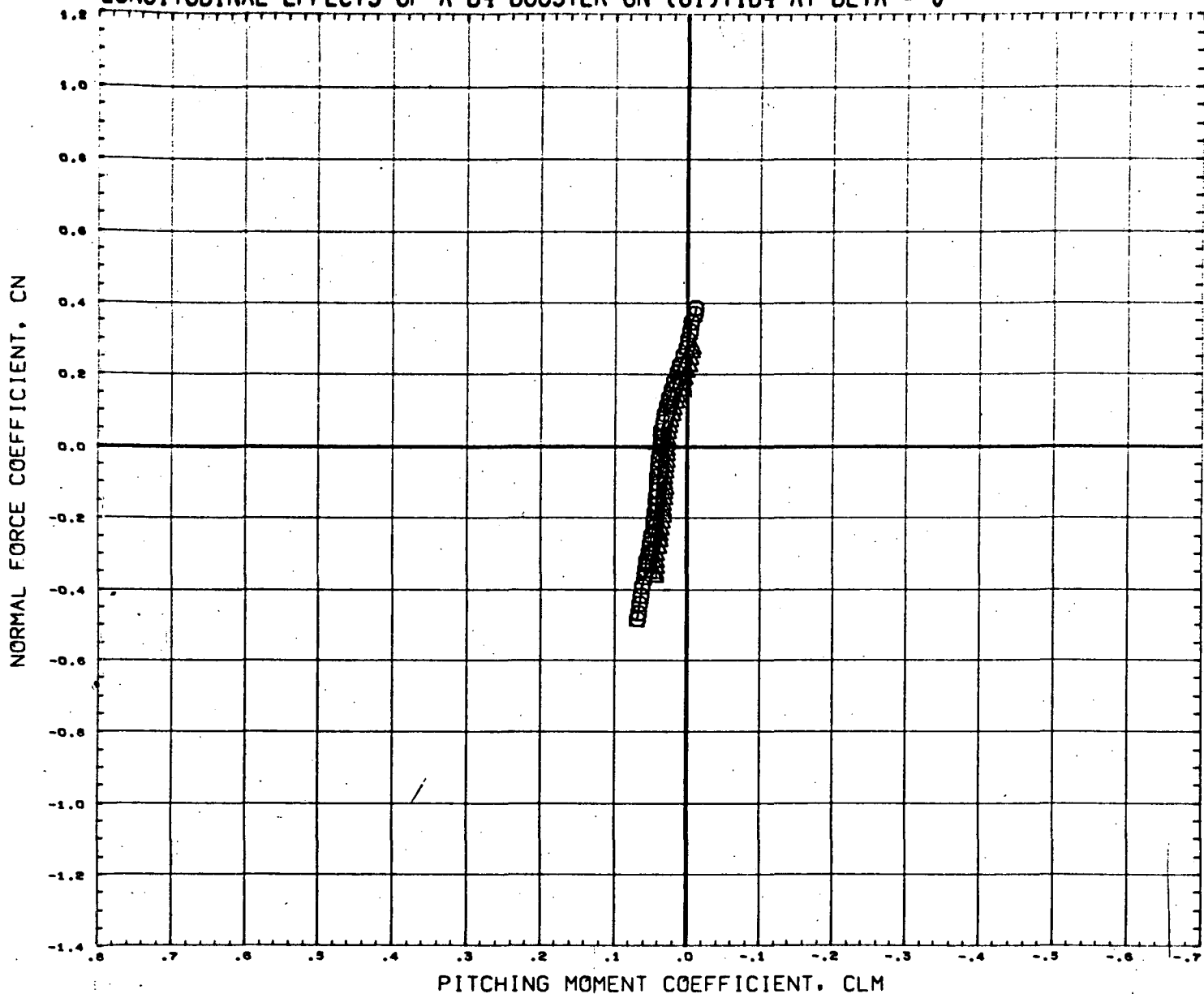


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07421)	MDAC S-222 COMPOSITE(T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07425)	MDAC S-222 COMPOSITE(T-CG) (01)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(C07422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 608

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (O1)T1B4 AT BETA = 0

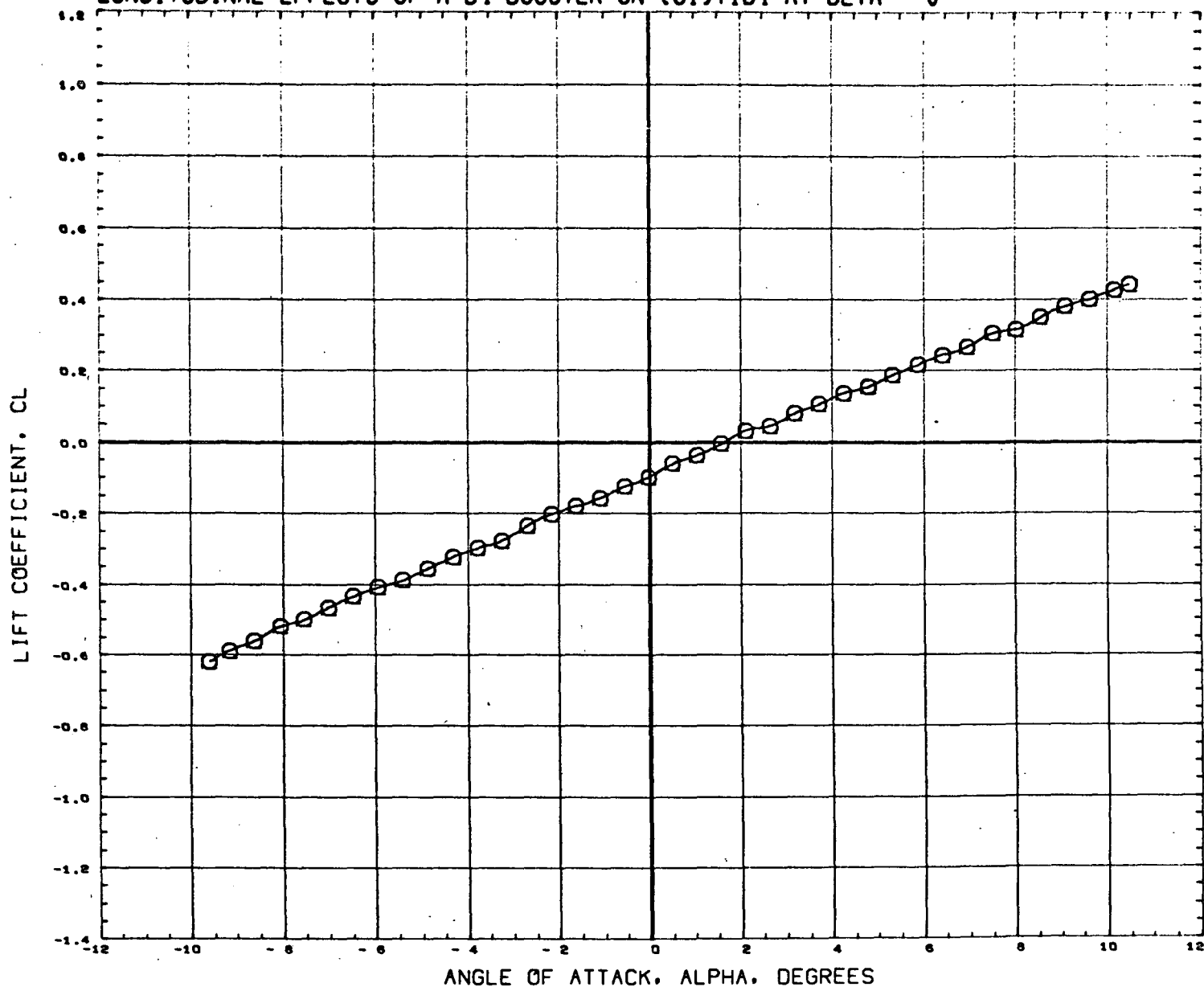


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7421)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7425)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 609

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0



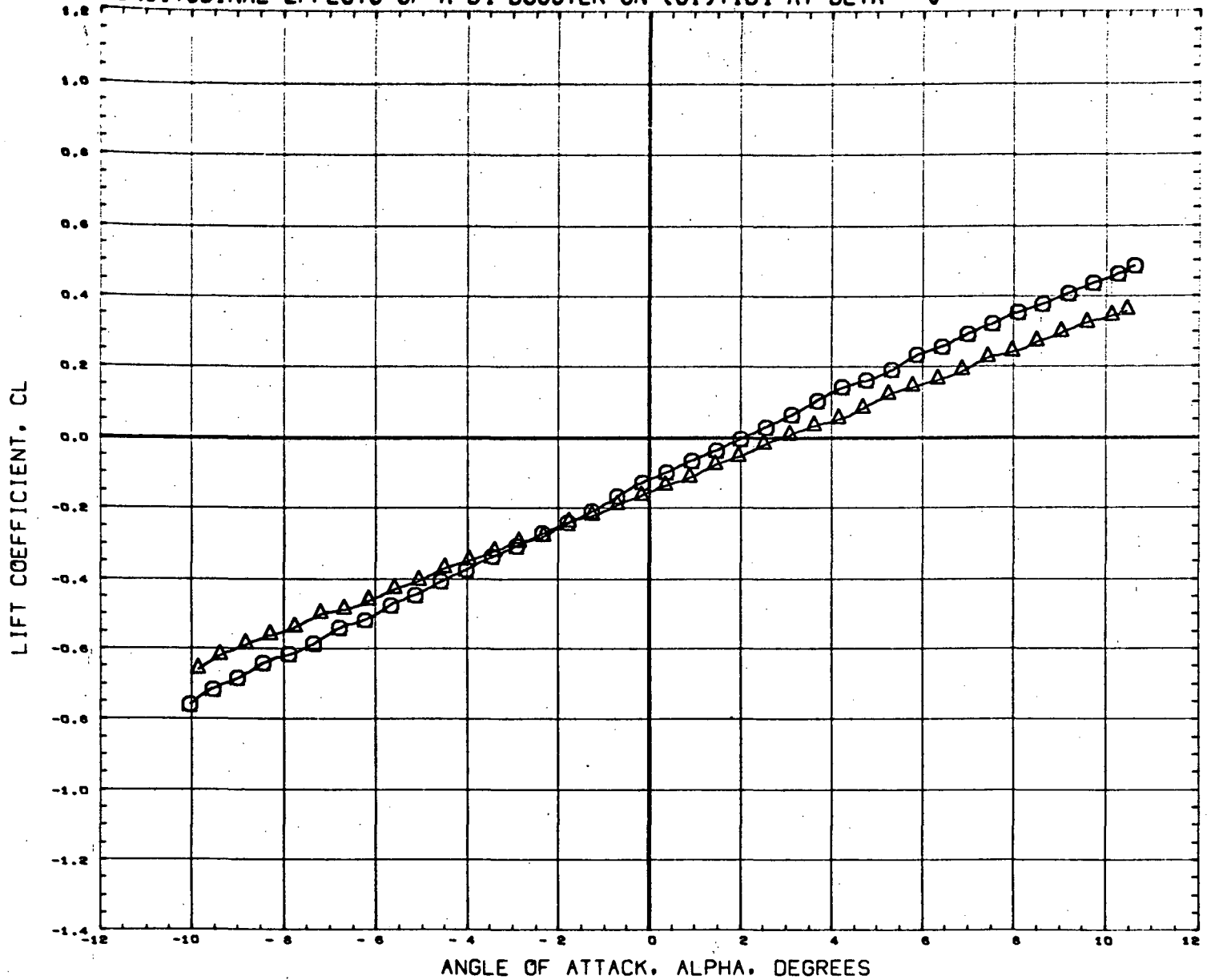
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7421)    ○    MDAC S-222 COMPOSITE(T-CG) (01)T1B4  
 (CD7425)    △    DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7422)    ◇    DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
0.000	0.000	0.000	0.000	BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0080

MACH        .59

PAGE    610

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (O1)T1B4 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

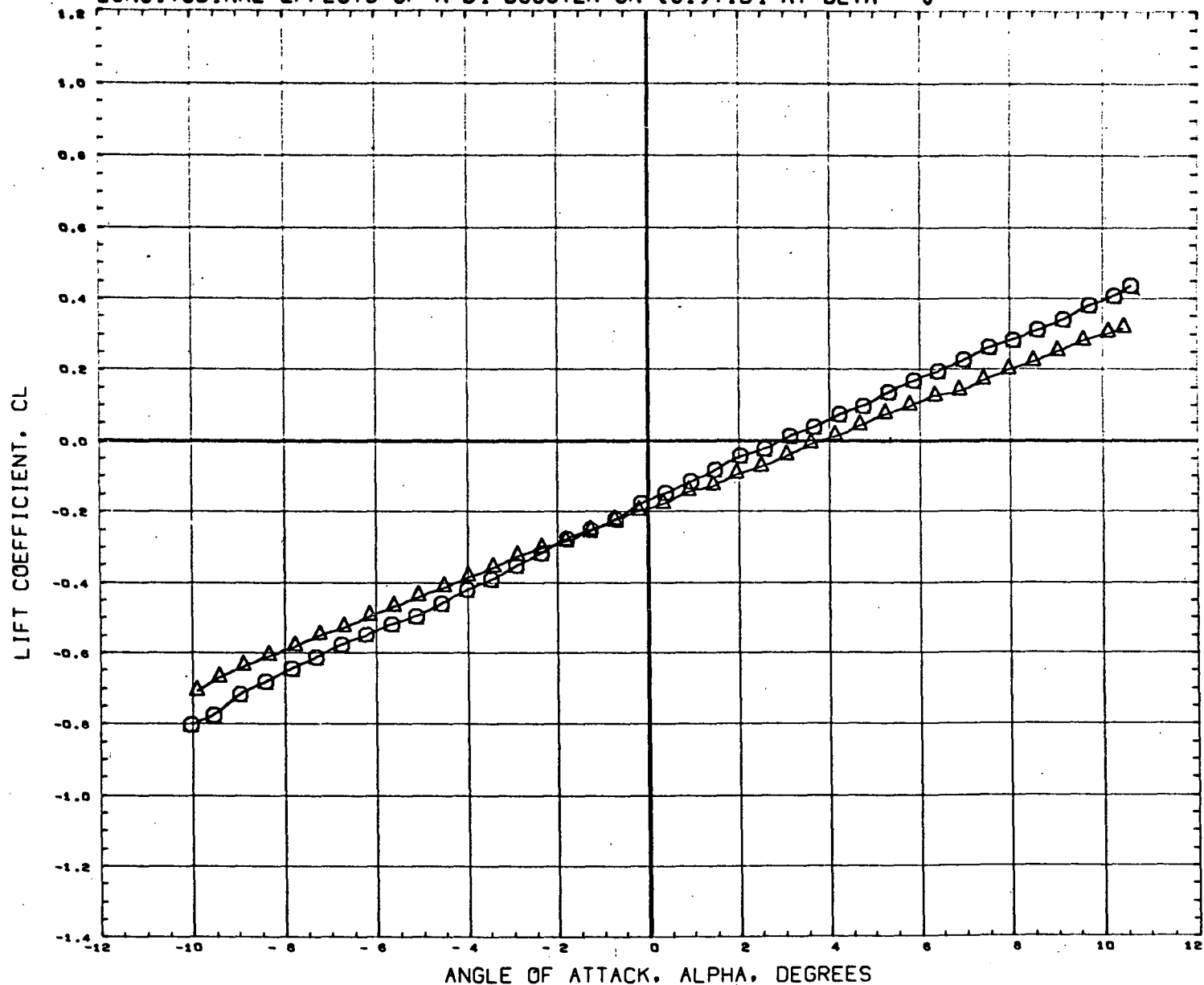
(CD7421)  MDAC S-222 COMPOSITE (T-CG) (O1)T1B4  
 (CD7425)  MDAC S-222 COMPOSITE (T-CG) (O1)T1B4L (B4R)  
 (CD7422)  DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004	IN.
0.000	0.000	0.000	0.000	BREF	882.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH .90

PAGE 611

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0



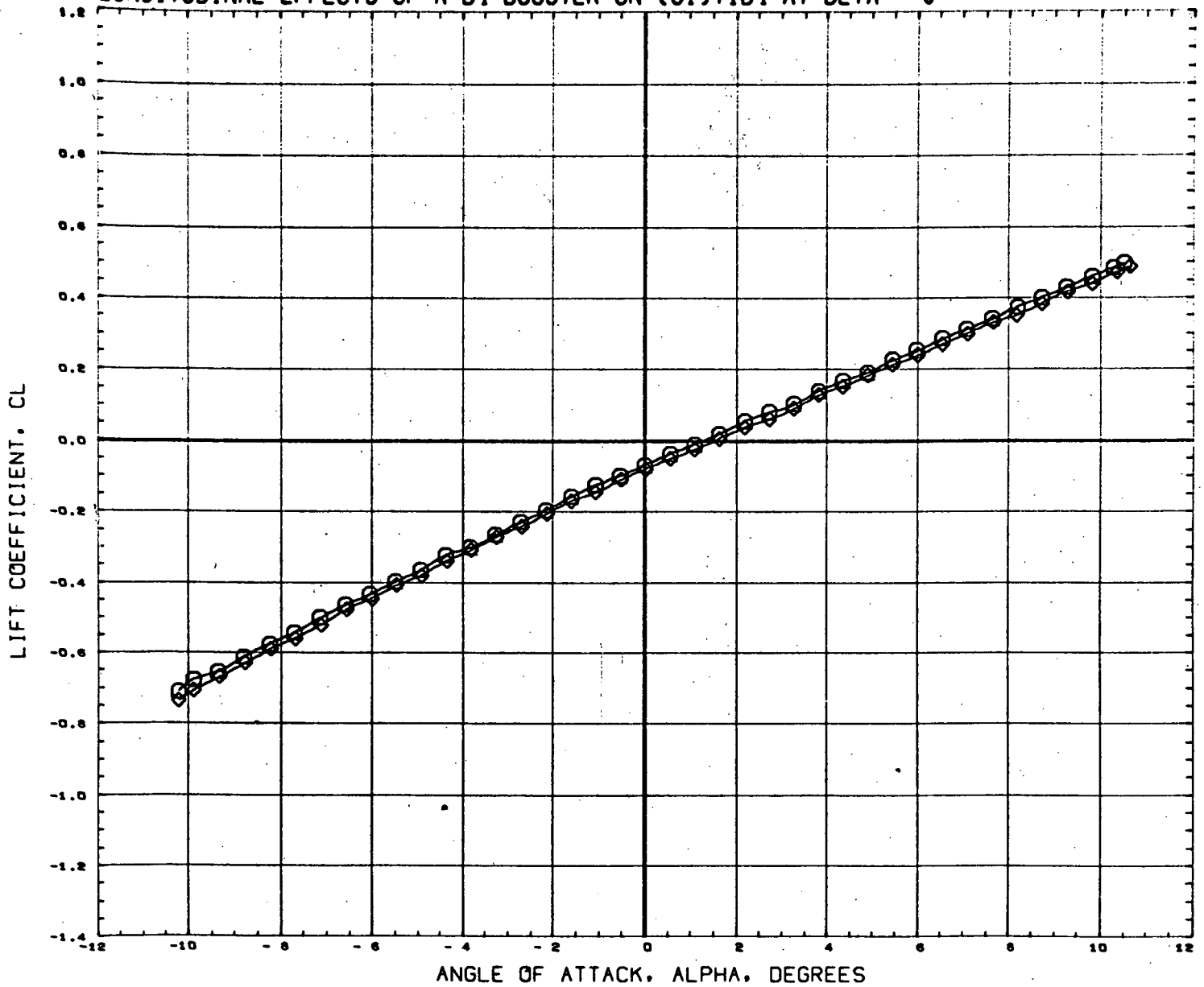
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7421)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7425)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH

1.09

PAGE 612

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0

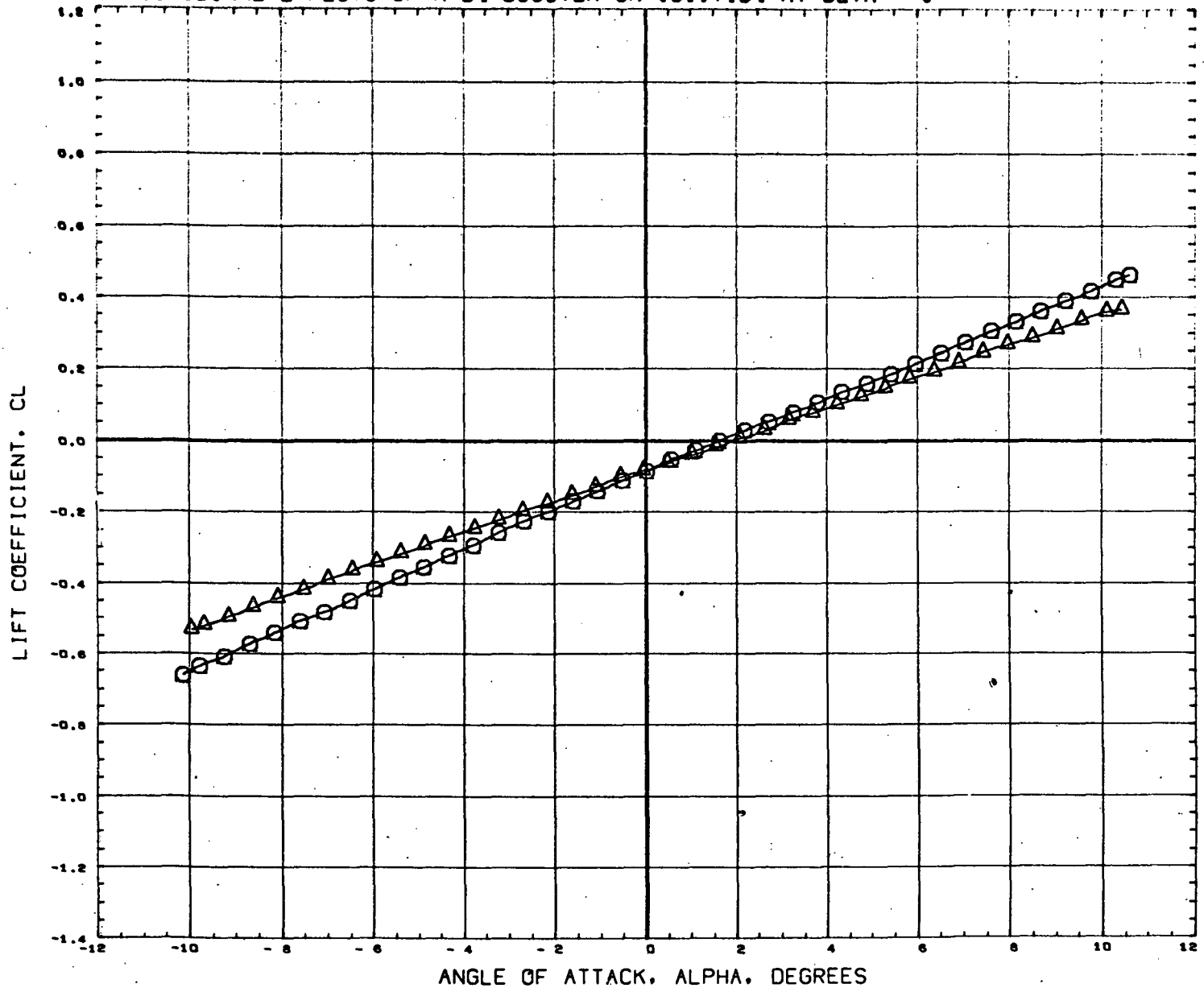


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7421)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7425)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7422)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

PAGE 613

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (O1)T1B4 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7421)	MDAC S-222 COMPOSITE(T-CG) (O1)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7425)	MDAC S-222 COMPOSITE(T-CG) (O1)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

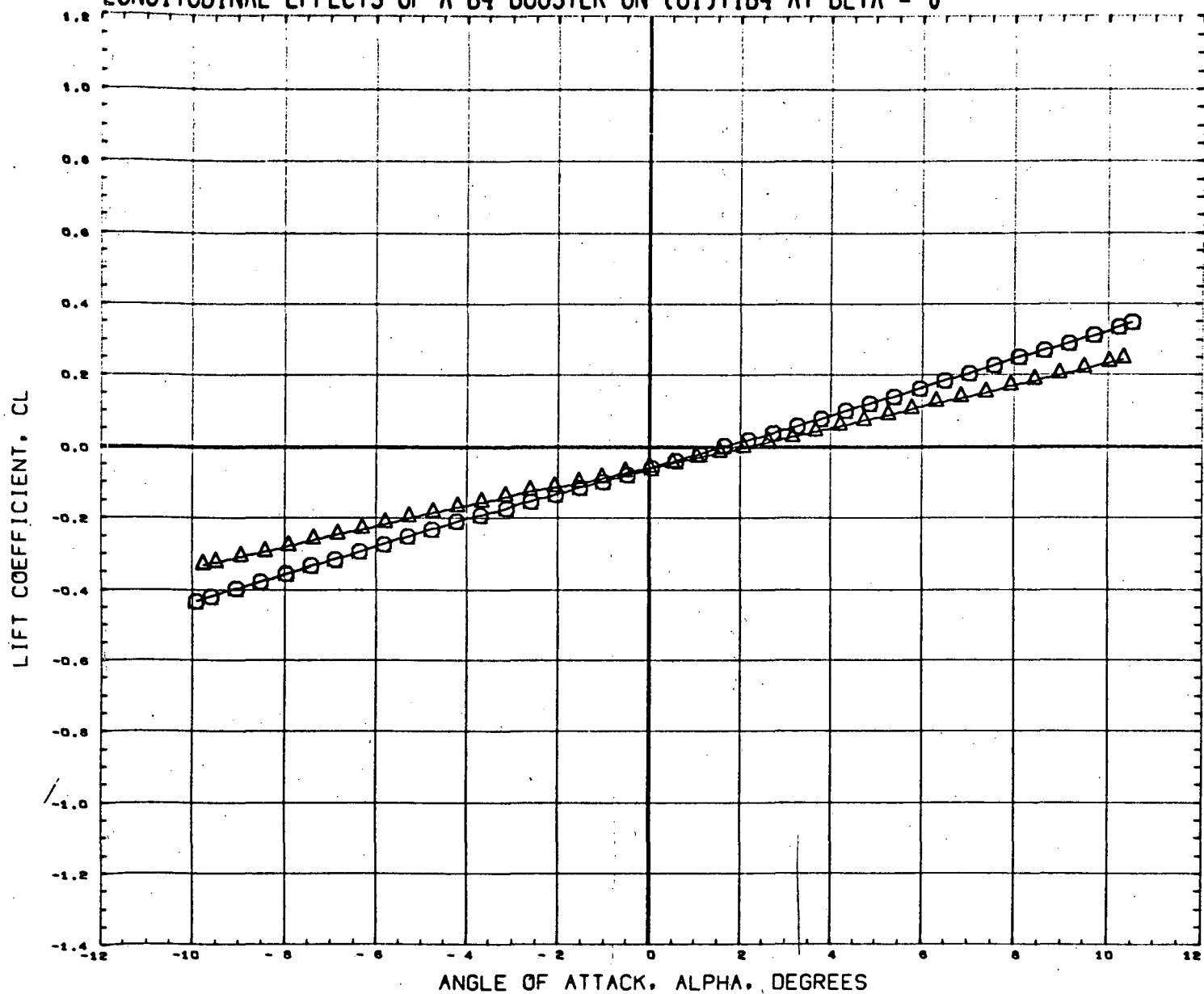
MACH

2.20

PAGE 614



# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0



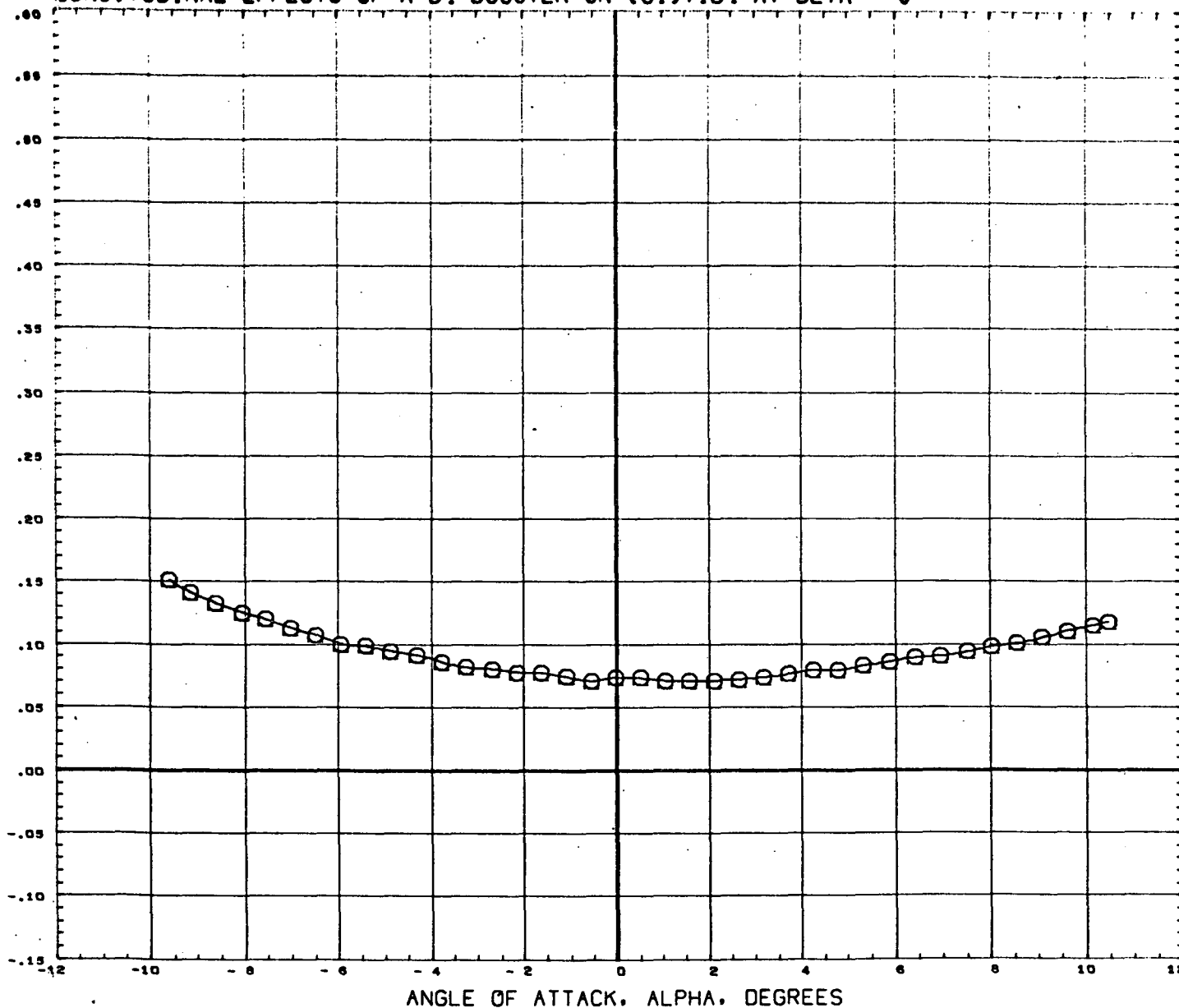
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7421)	MDAC S-222 COMPOSITE (T-C6) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7425)	MDAC S-222 COMPOSITE (T-C6) (01)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 615

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



ANGLE OF ATTACK, ALPHA, DEGREES

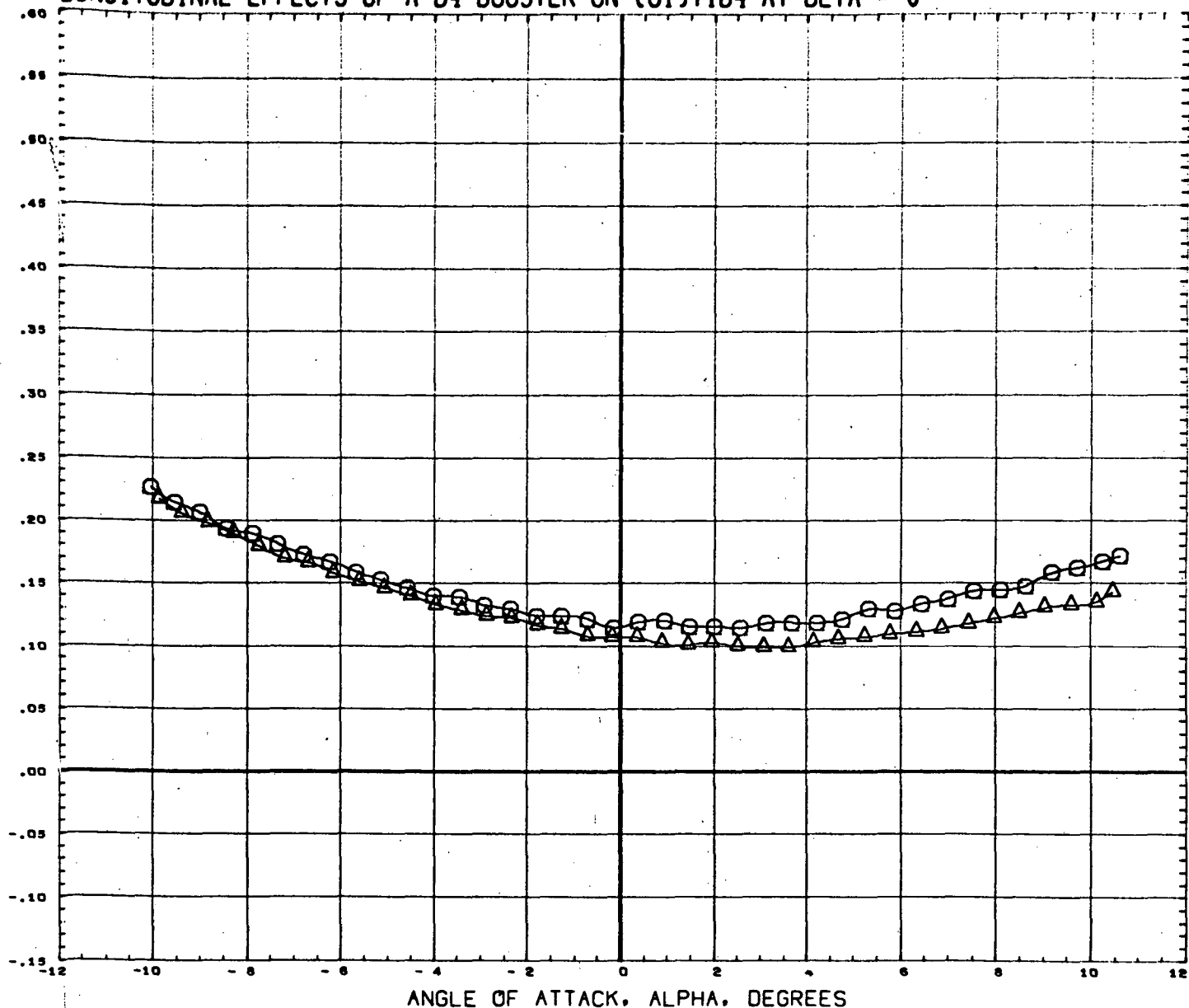
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7421)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7425)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH .59

PAGE 616

FOREBODY DRAG COEFFICIENT, CDF

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (O1)T1B4 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7421)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B4
(CD7423)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B4L (B4R)
(CD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS

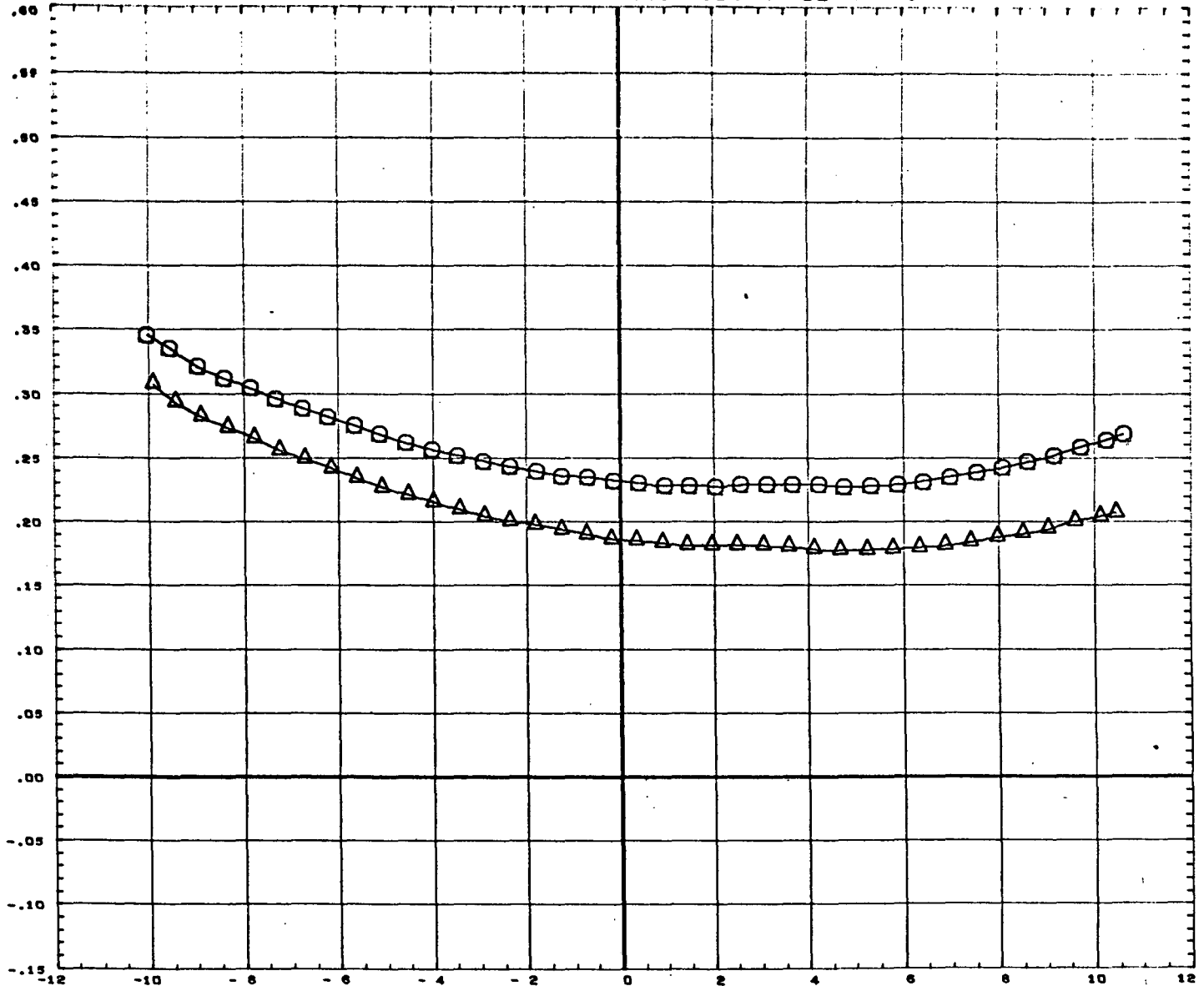
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
0.000	0.000	0.000	0.000	BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .90

PAGE 617

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



ANGLE OF ATTACK, ALPHA, DEGREES

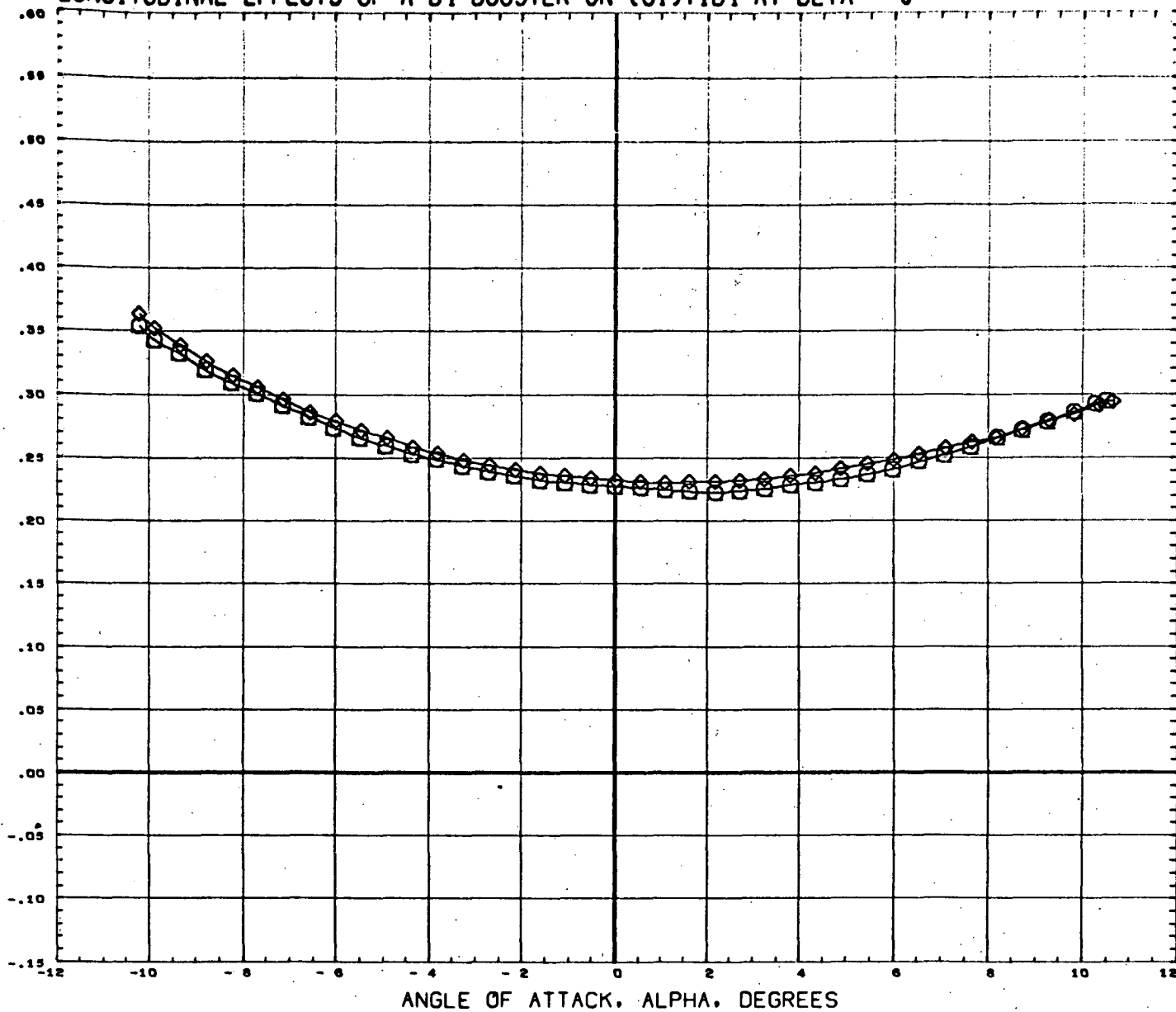
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7421)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7425)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

PAGE 618

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



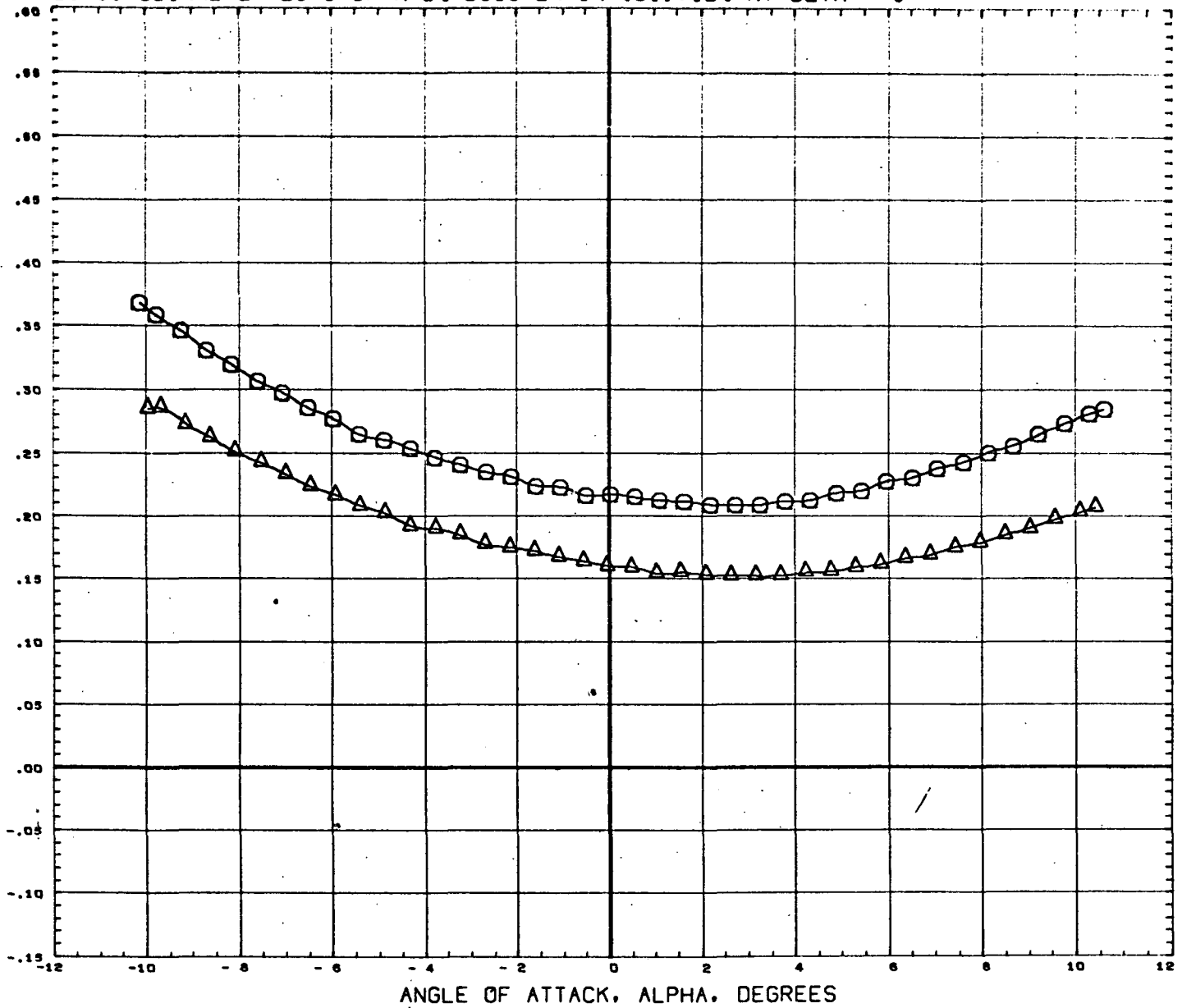
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7421)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD7425)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	LREF	609.5004	IN.
(CD7422)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4	0.000	0.000	0.000	0.000	BREF	882.0004	IN.
						XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH 1.51

PAGE 619

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (O1)T1B4 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



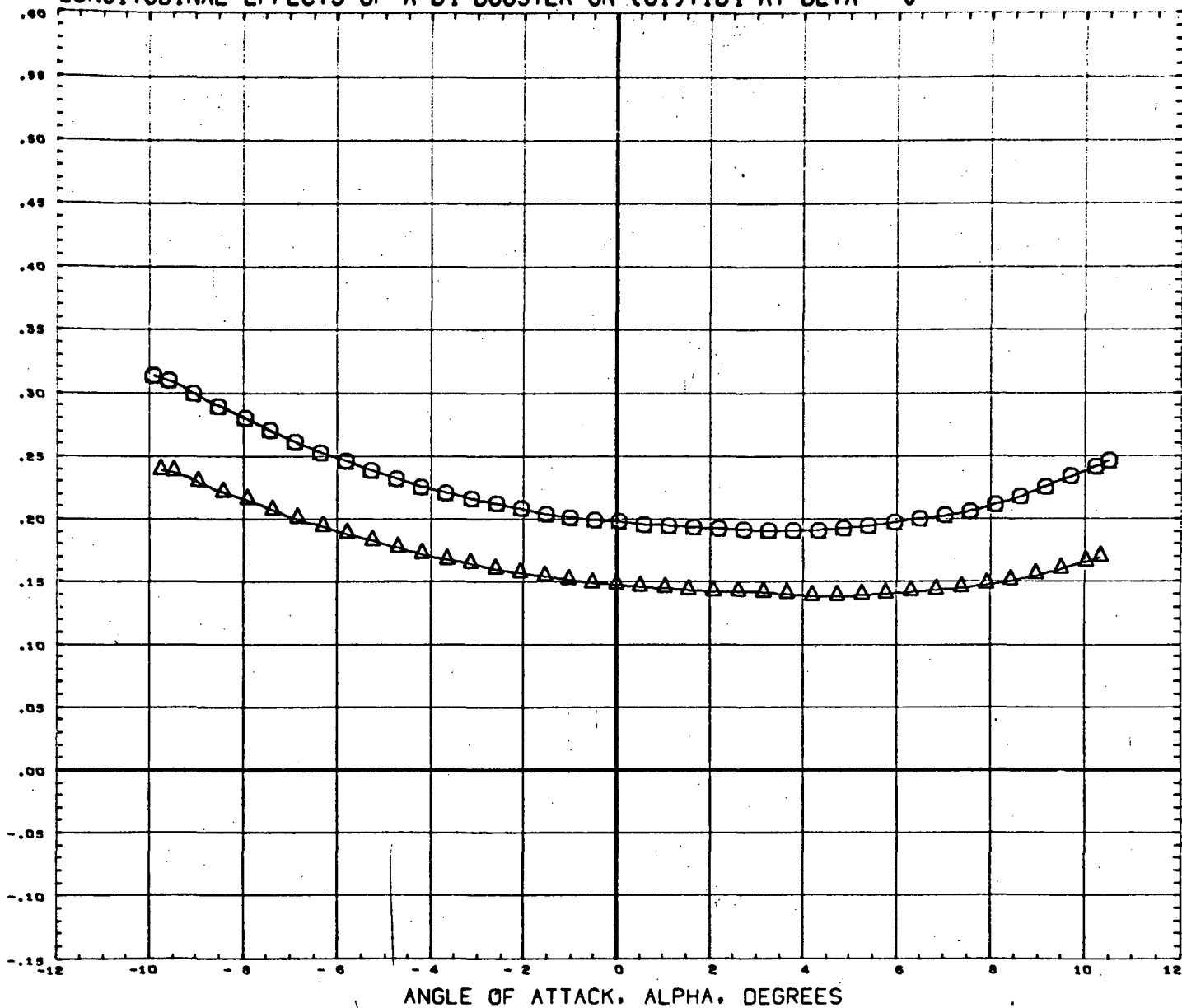
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7421)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7425)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 620

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (O1)T1B4 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7421)    ○    MDAC S-222 COMPOSITE (T-CG) (O1)T1B4  
 (CD7425)    △    MDAC S-222 COMPOSITE (T-CG) (O1)T1B4L (B4R)  
 (CD7422)    ◇    DATA NOT AVAILABLE FOR ALL CONDITIONS

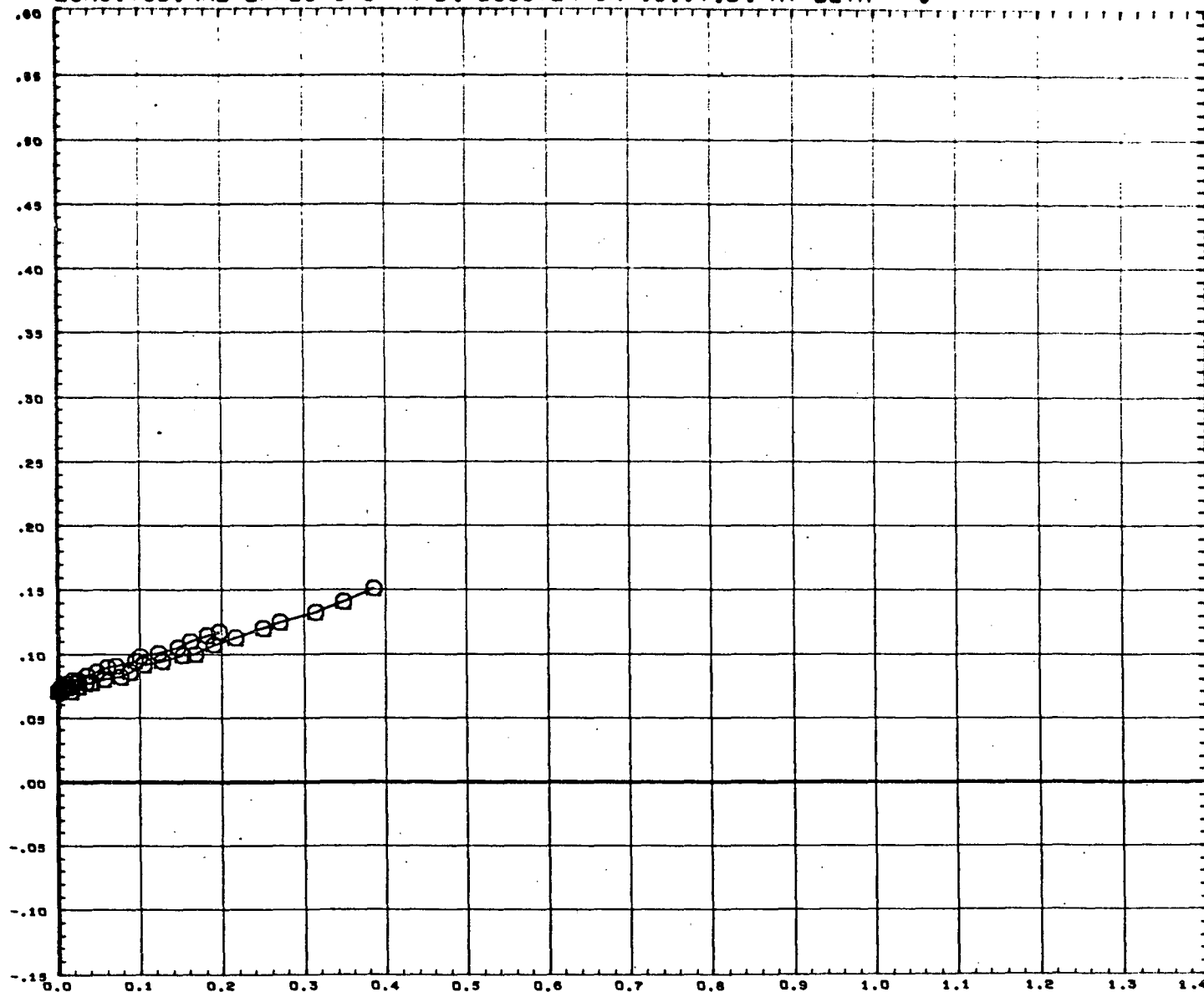
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
0.000	0.000	0.000	0.000	BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH      4.47

PAGE    621

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQ

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07421)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07423)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(C07422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

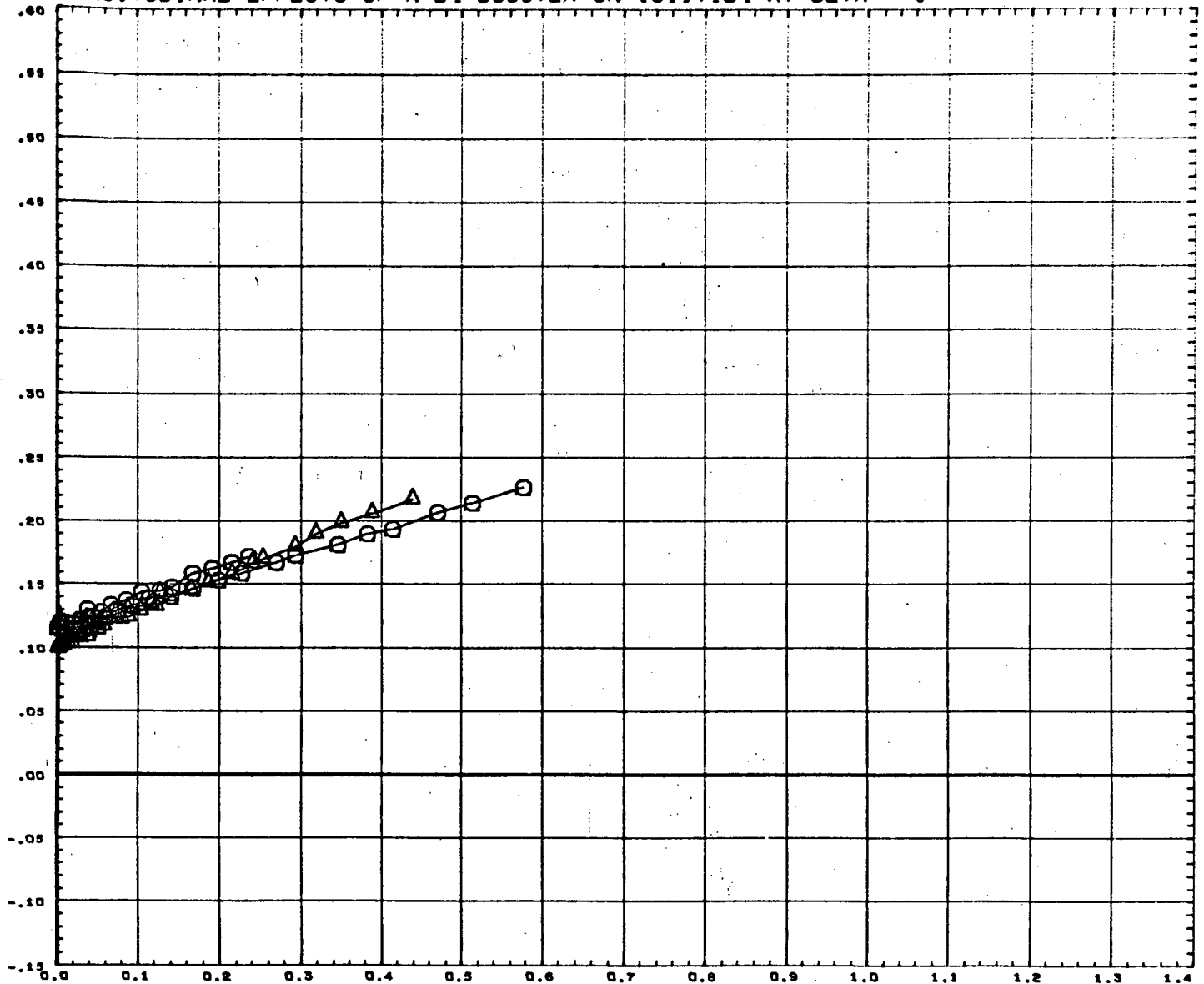
MACH .59

PAGE 622



# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (O1)T1B4 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQR

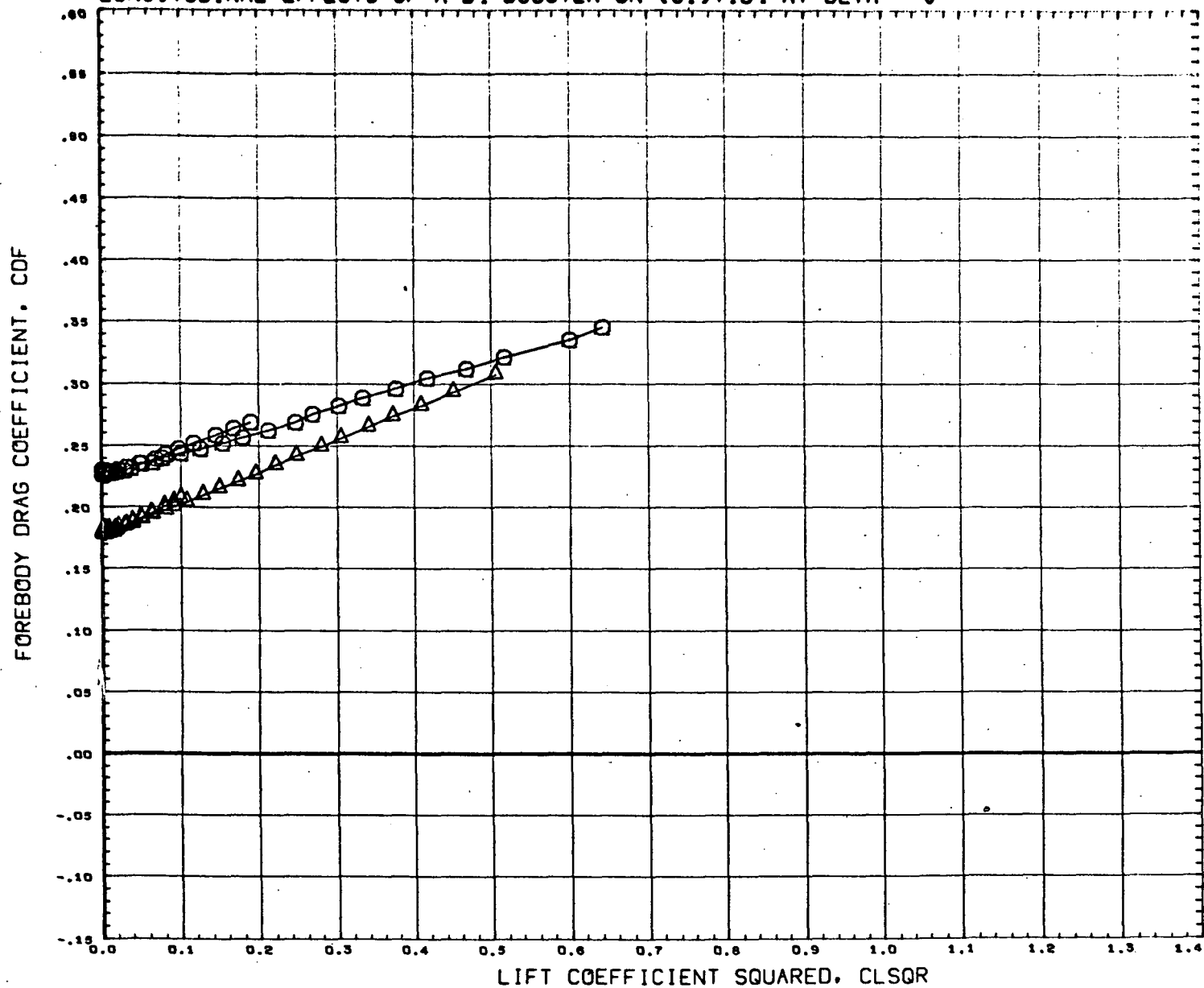
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7421)    ○    MDAC S-222 COMPOSITE (T-CG) (O1)T1B4  
 (CD7423)    △    MDAC S-222 COMPOSITE (T-CG) (O1)T1B4L (B4R)  
 (CD7422)    ◇    DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
0.000	0.000	0.000	0.000	BREF	682.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .90

PAGE 623

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0



LIFT COEFFICIENT SQUARED, CLSQR

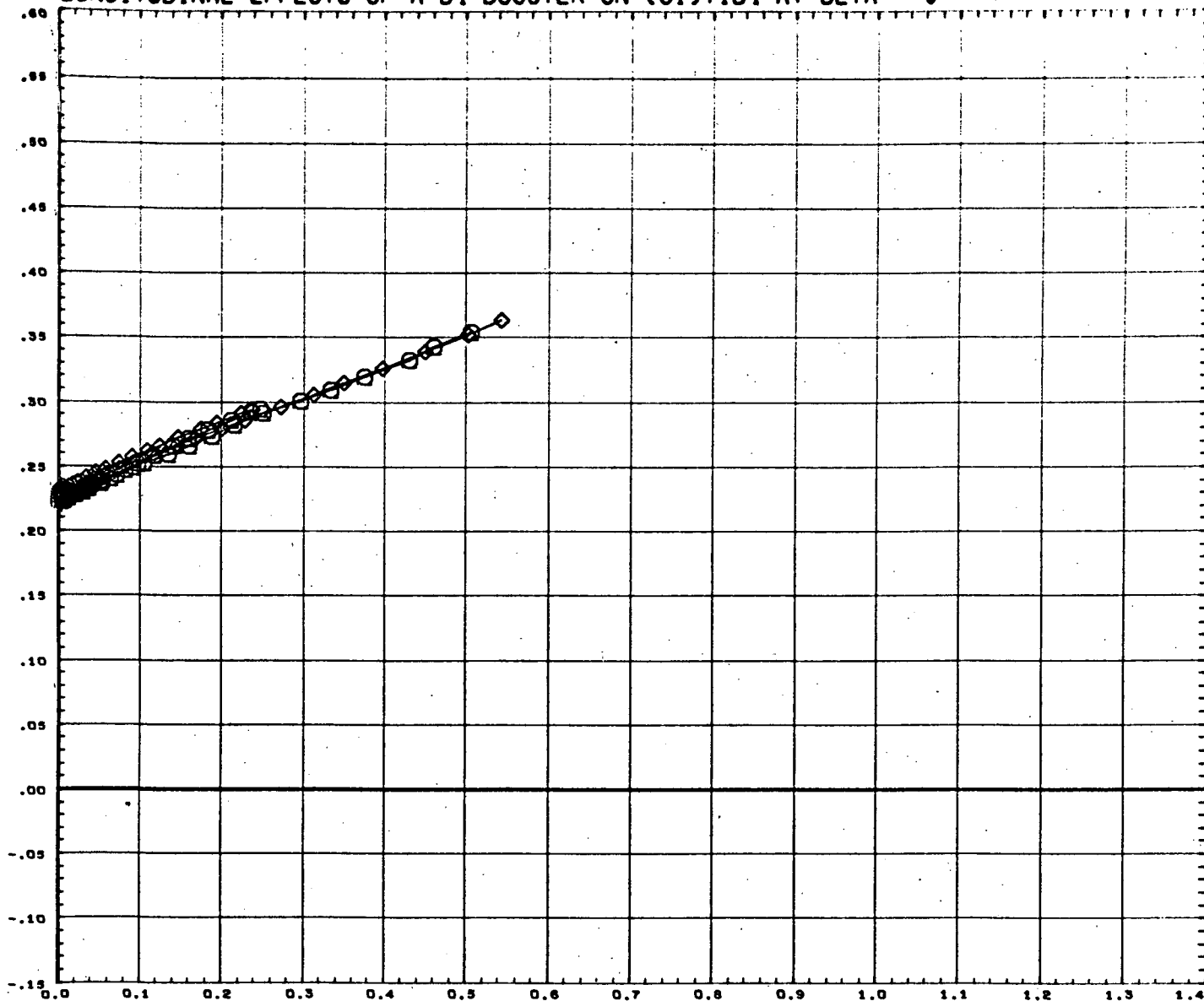
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07421)	MDAC S-222 COMPOSITE (T-C6) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07425)	MDAC S-222 COMPOSITE (T-C6) (01)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(C07422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

PAGE 624

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



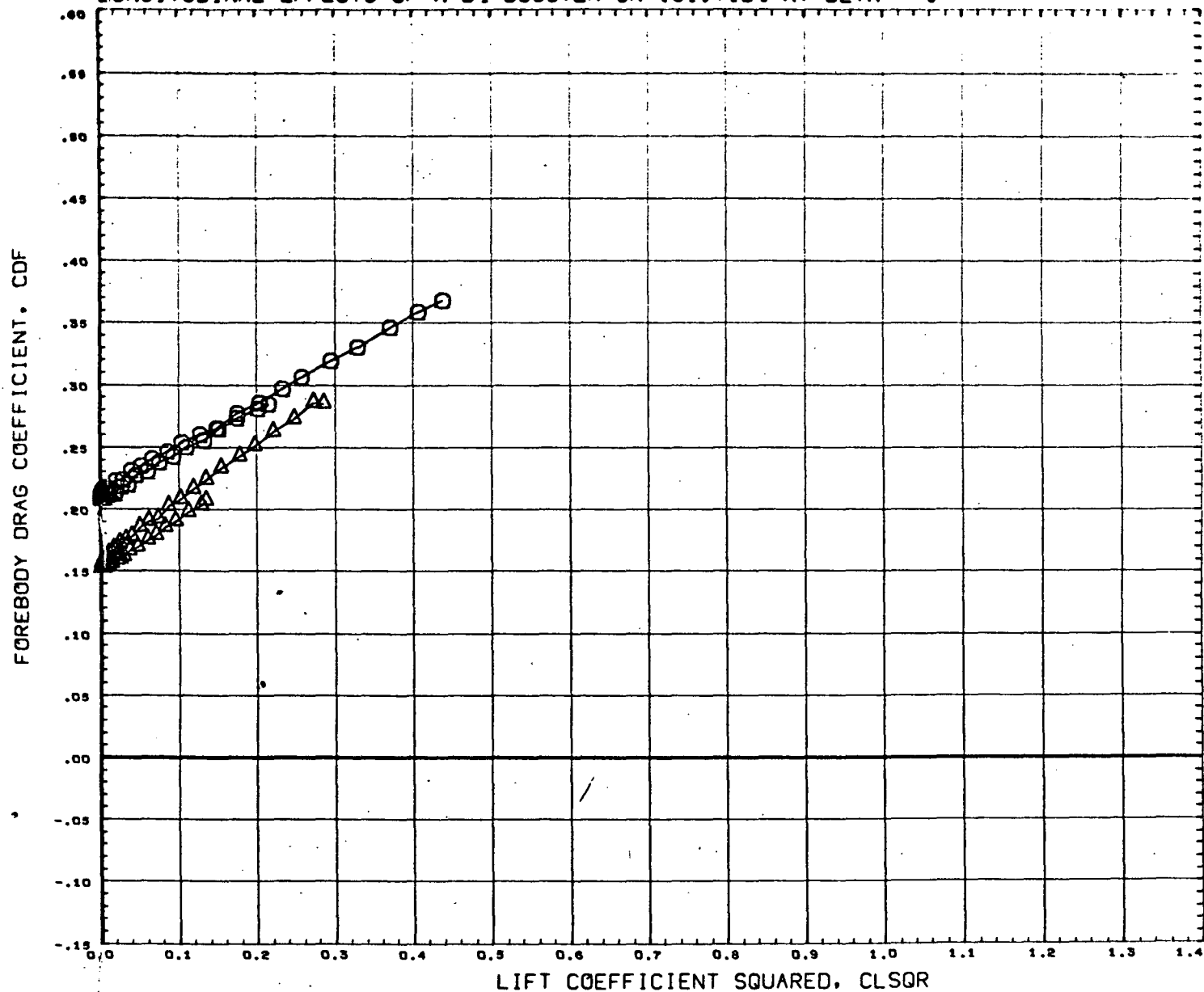
LIFT COEFFICIENT SQUARED, CLSQ

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7421)	MDAC S-222 COMPOSITE(T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7425)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7422)	MDAC S-222 COMPOSITE(T-CG) (01)T1B4	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	597.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

PAGE 625

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0



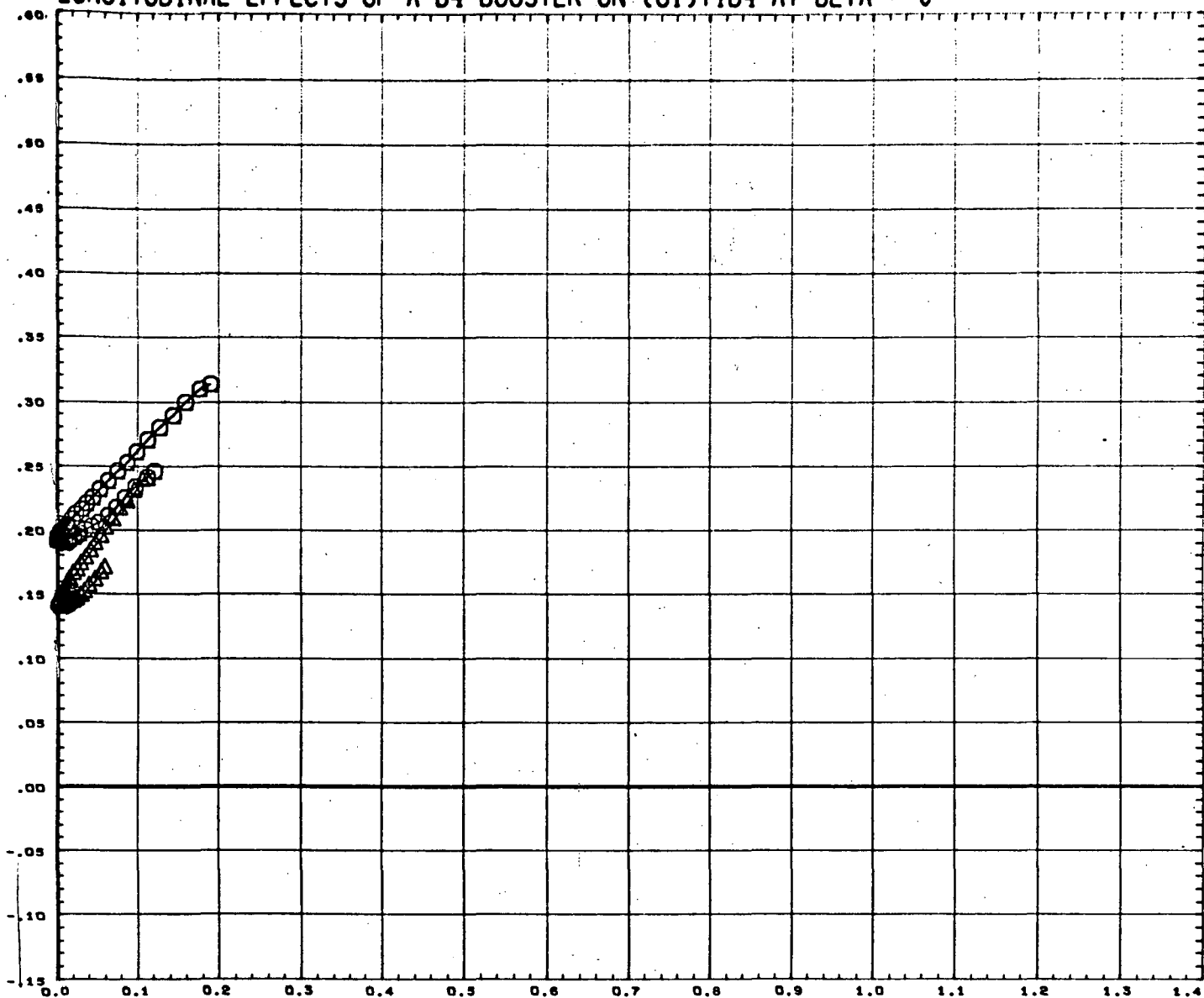
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7421)	MDAC S-222 COMPOSITE (T-CG) (01) T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7425)	MDAC S-222 COMPOSITE (T-CG) (01) T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	862.0004 IN.
						XMRP	597.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 626

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQR

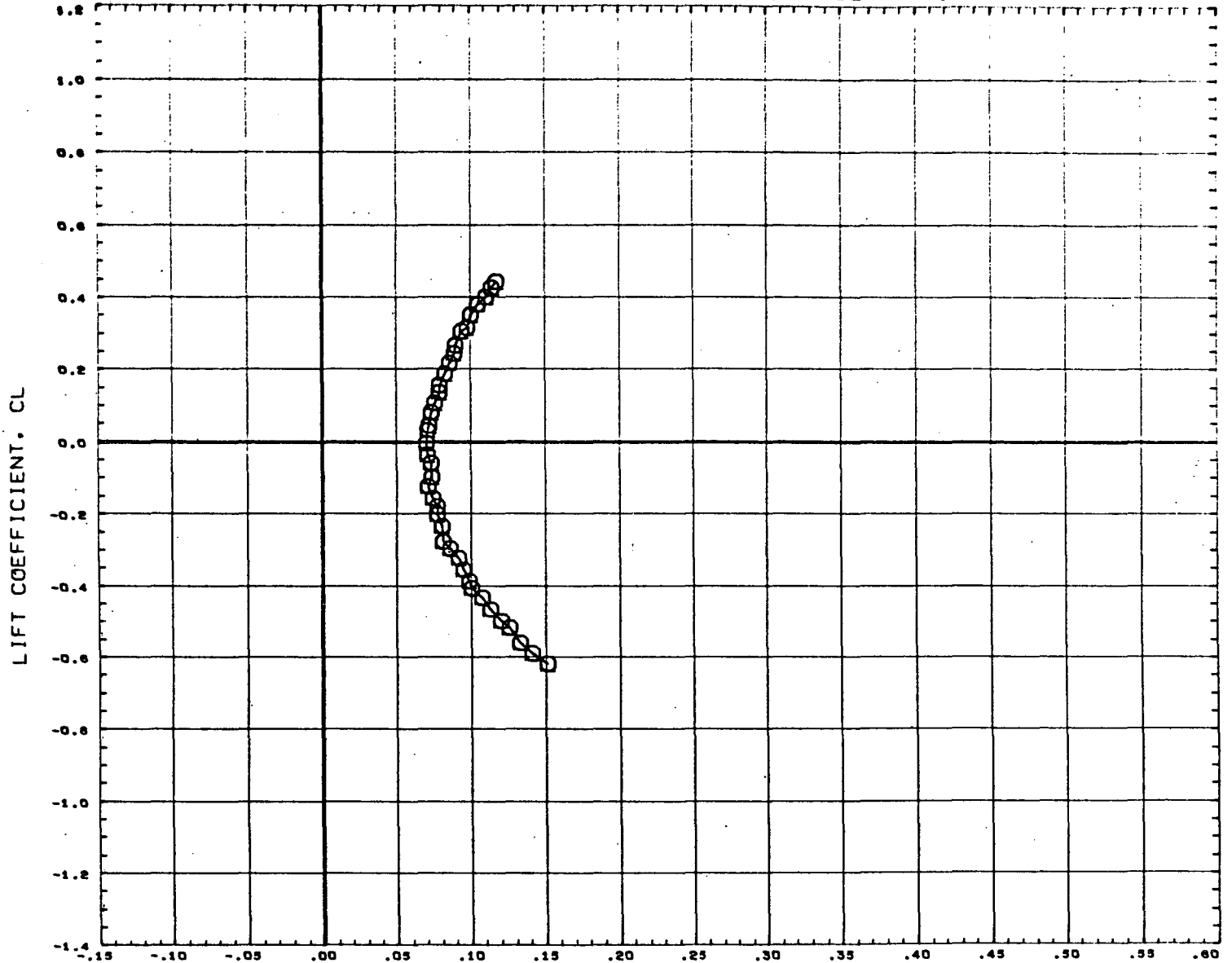
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7421)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7425)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	357.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH

4.47

PAGE 627

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7421)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4
(CD7425)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(CD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS

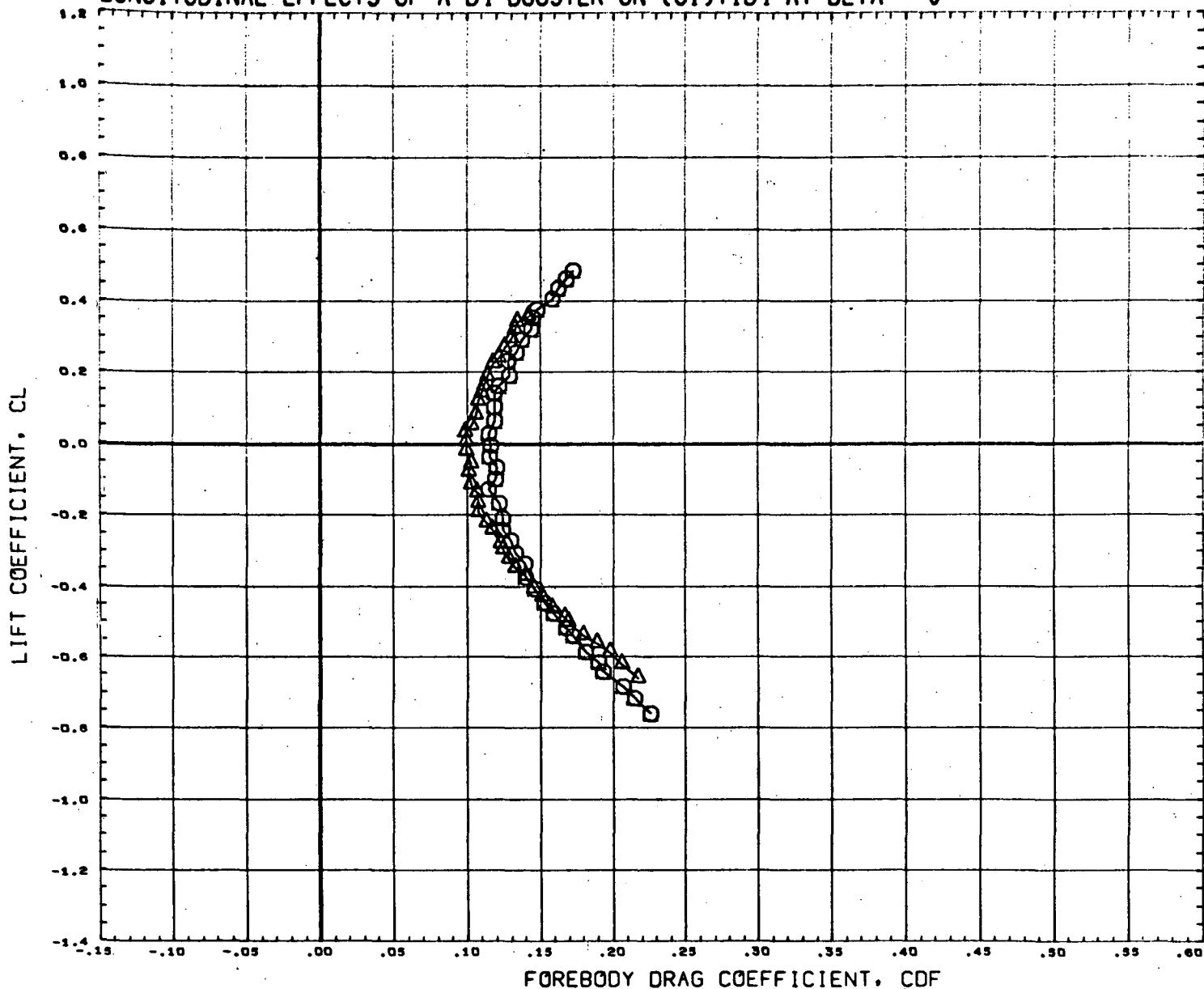
FOREBODY DRAG COEFFICIENT, CDF

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004	IN.
0.000	0.000	0.000	0.000	BREF	882.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH .59

PAGE 628

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0



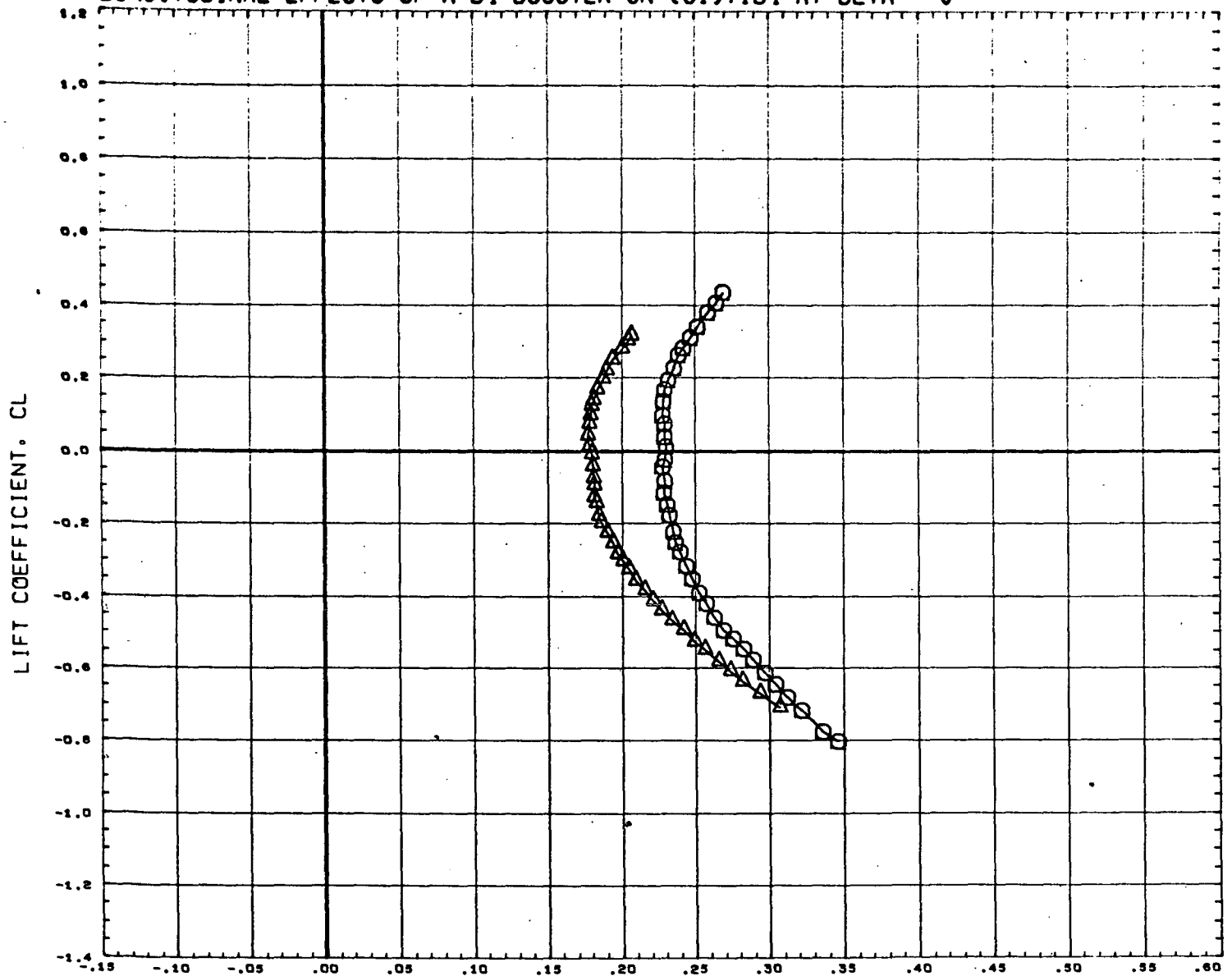
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7421)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7425)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 629

C.9

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7421)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4
(CD7425)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4L (B4R)
(CD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

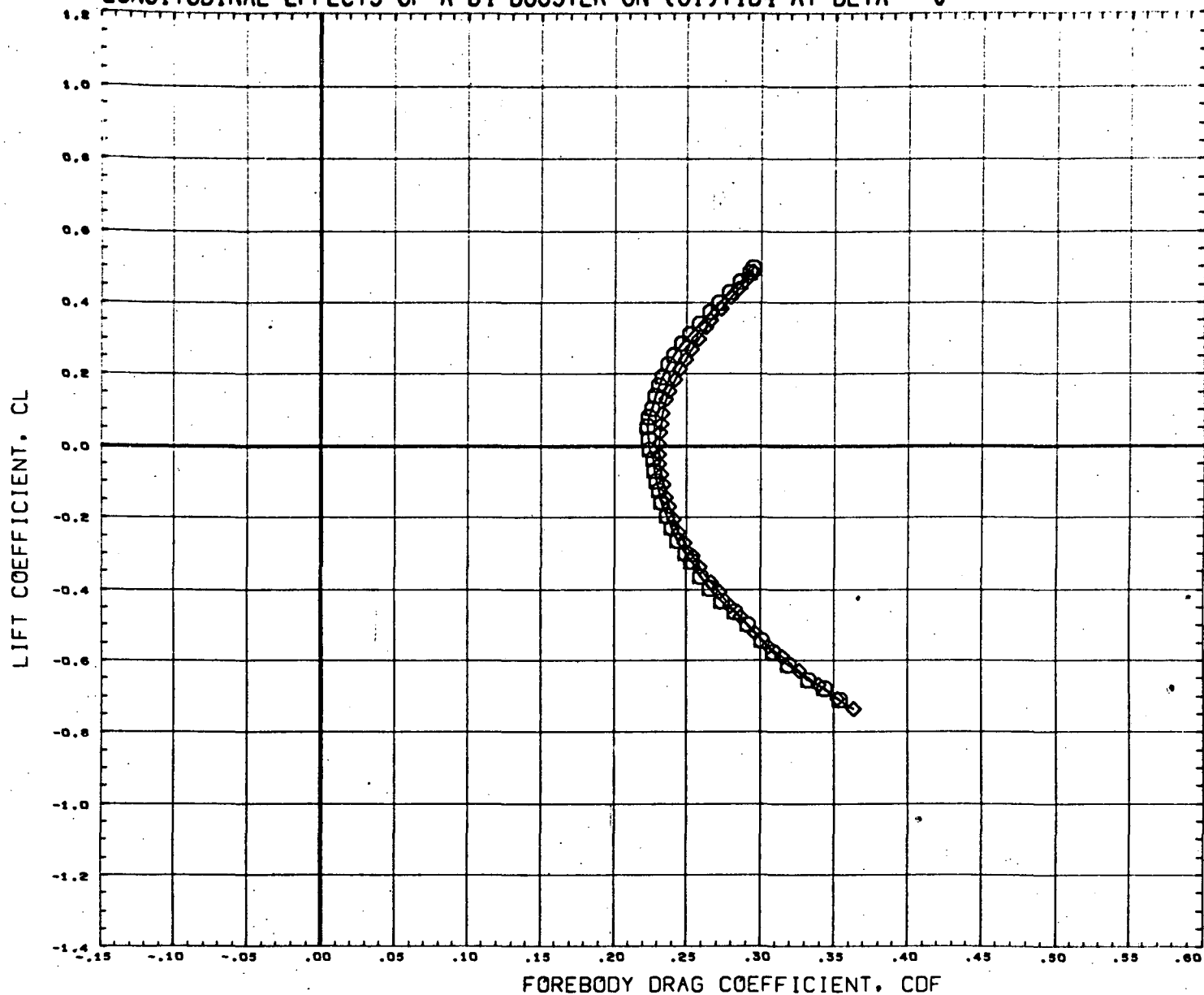
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH 1.09

PAGE 630



# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0



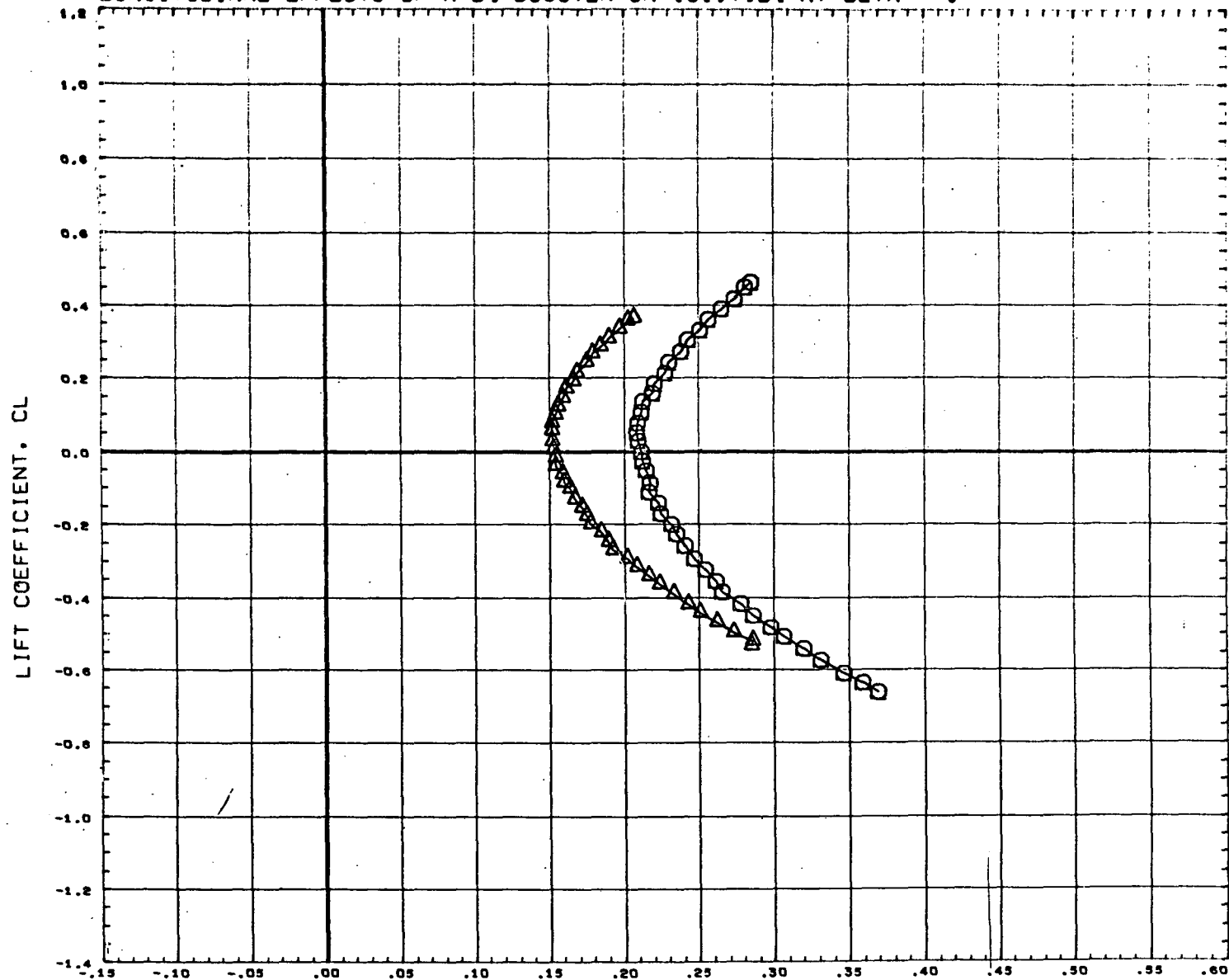
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
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(CD7423)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(CD7422)	MDAC S-222 COMPOSITE (T-CG) (01) T1B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
0.000	0.000	0.000	0.000	BREF	882.0004 IN.
				XMRP	537.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 631

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (O1)T1B4 AT BETA = 0



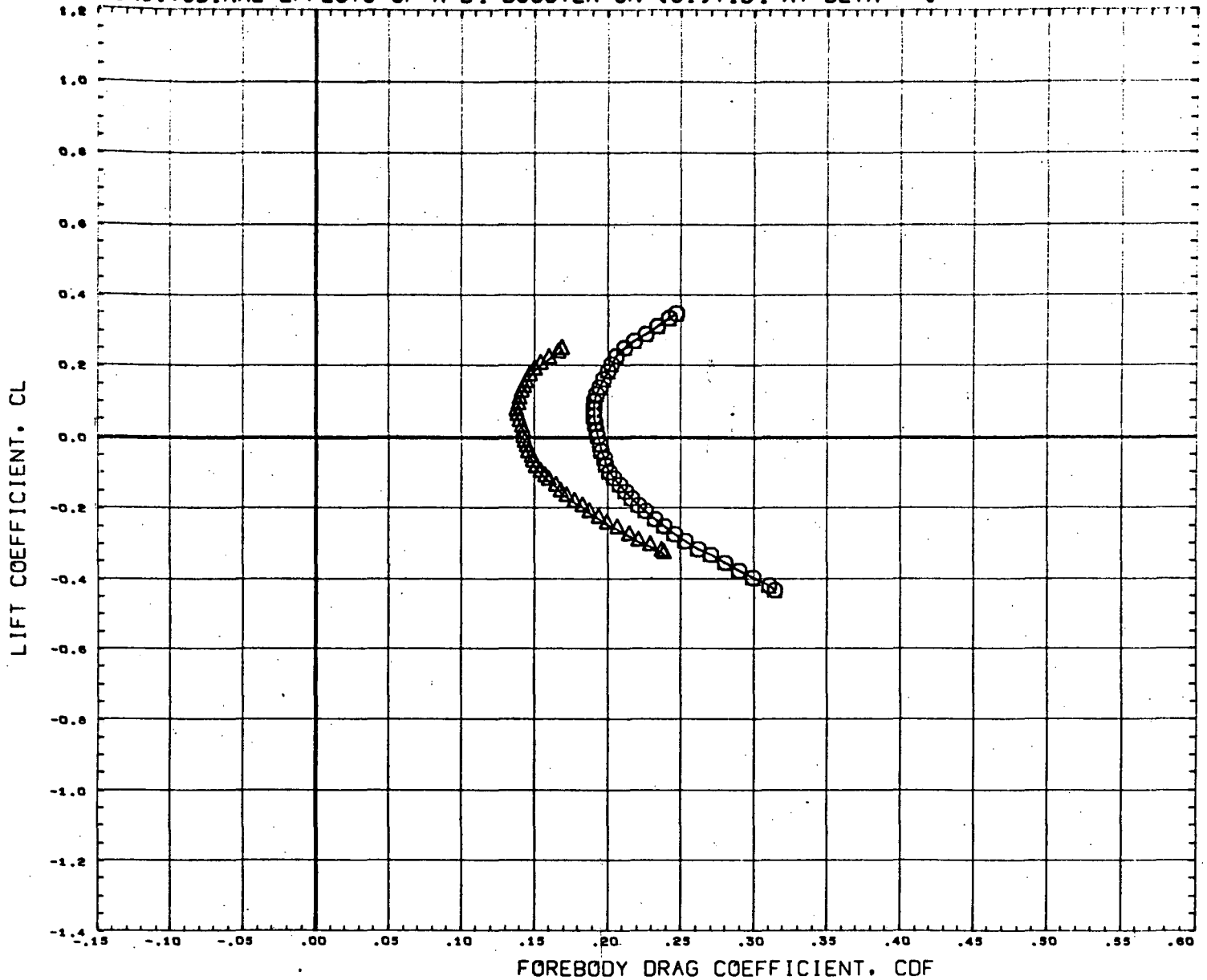
FOREBODY DRAG COEFFICIENT, CDF

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7421)	MDAC S-222 COMPOSITE (T-CG) (O1) T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7425)	MDAC S-222 COMPOSITE (T-CG) (O1) T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

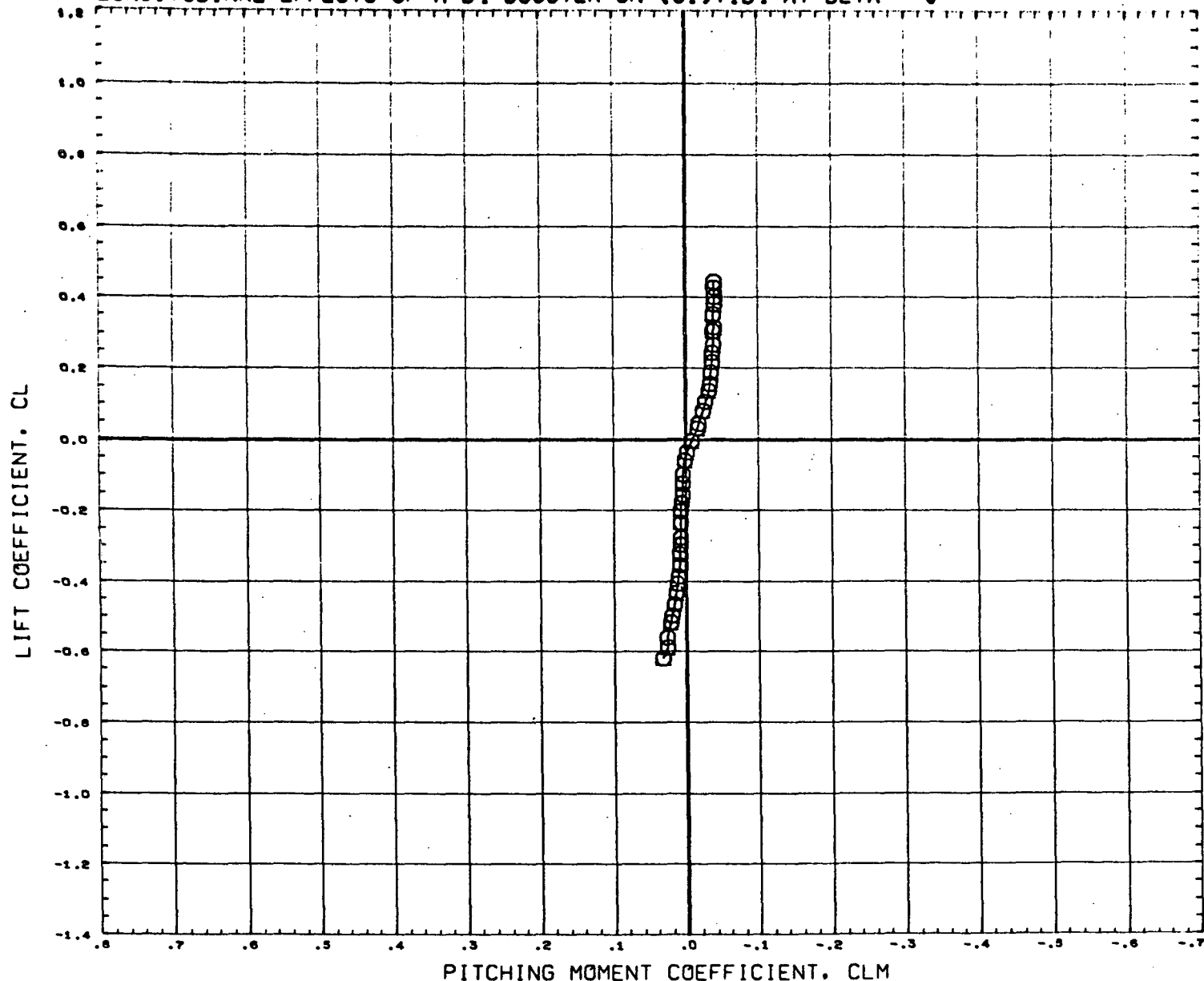
PAGE 632

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (O1)T1B4 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7421)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7425)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	SREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (O1)T1B4 AT BETA = 0



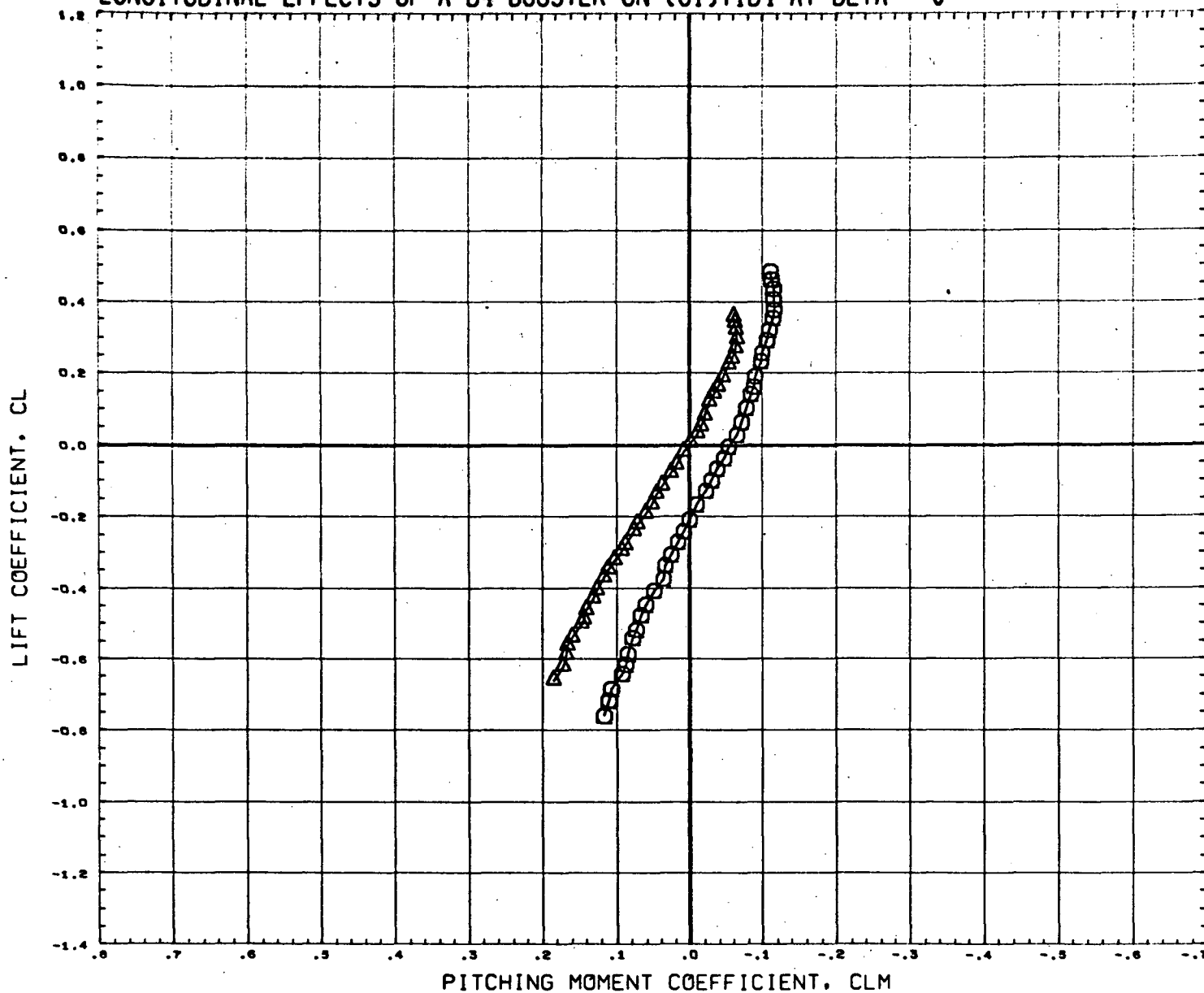
PITCHING MOMENT COEFFICIENT, CLM

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7421)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD7425)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	LREF	809.5004	IN.
(CD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	882.0004	IN.
						XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH .59

PAGE 634

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0

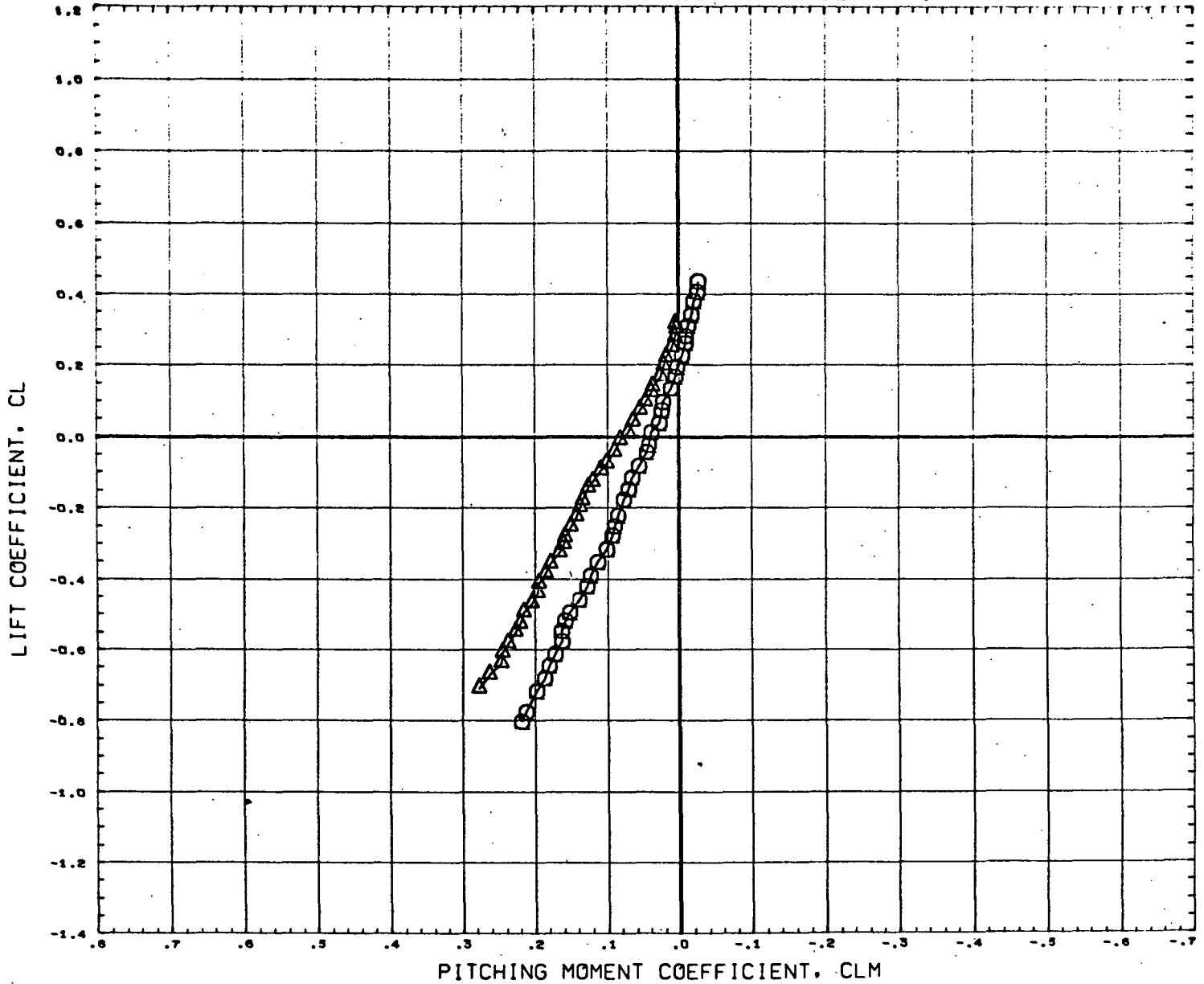


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
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(CD7425)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 635

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0

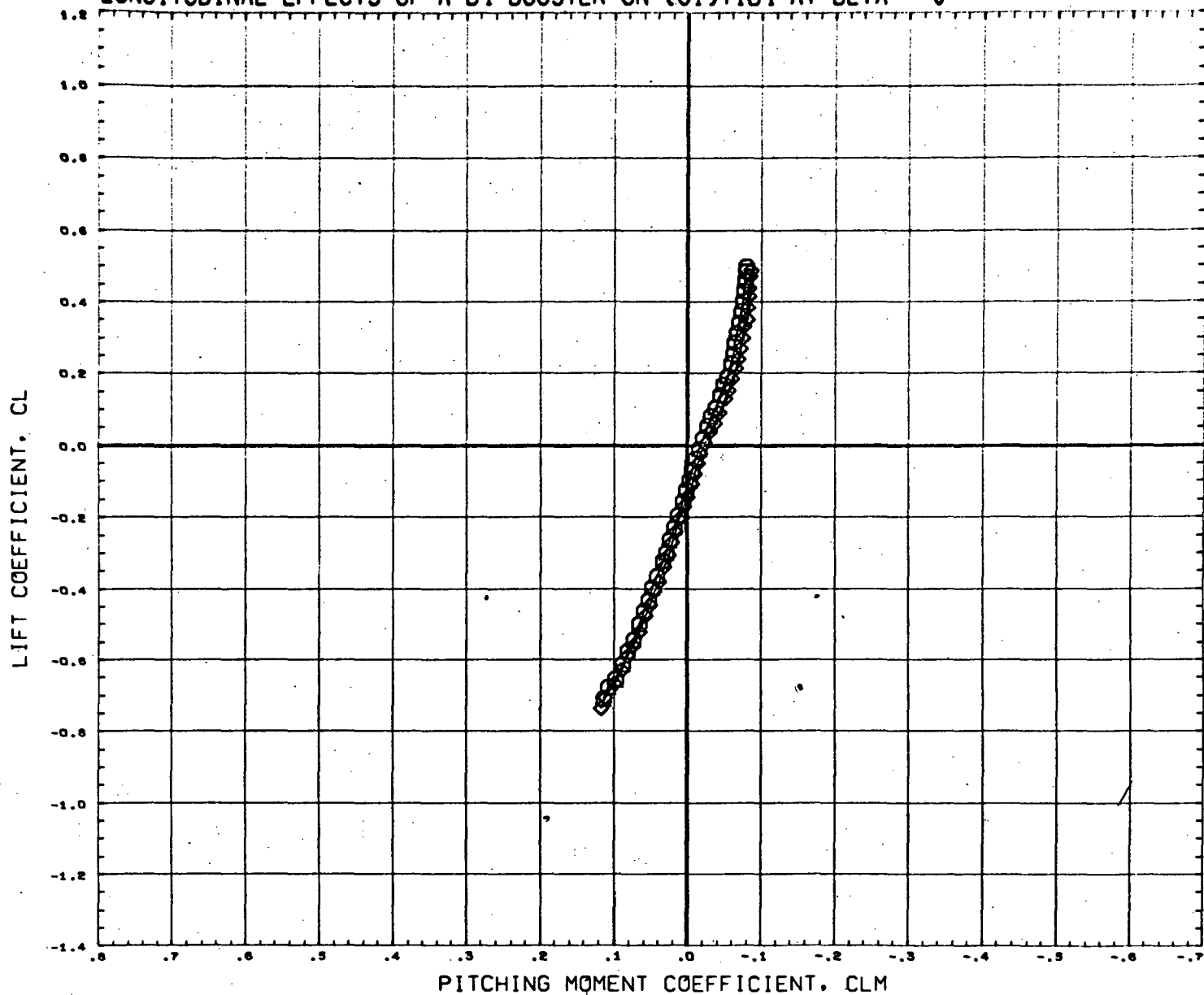


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7421)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7425)	MDAC S-222 COMPOSITE (T-CG) (03)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

PAGE 636

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0

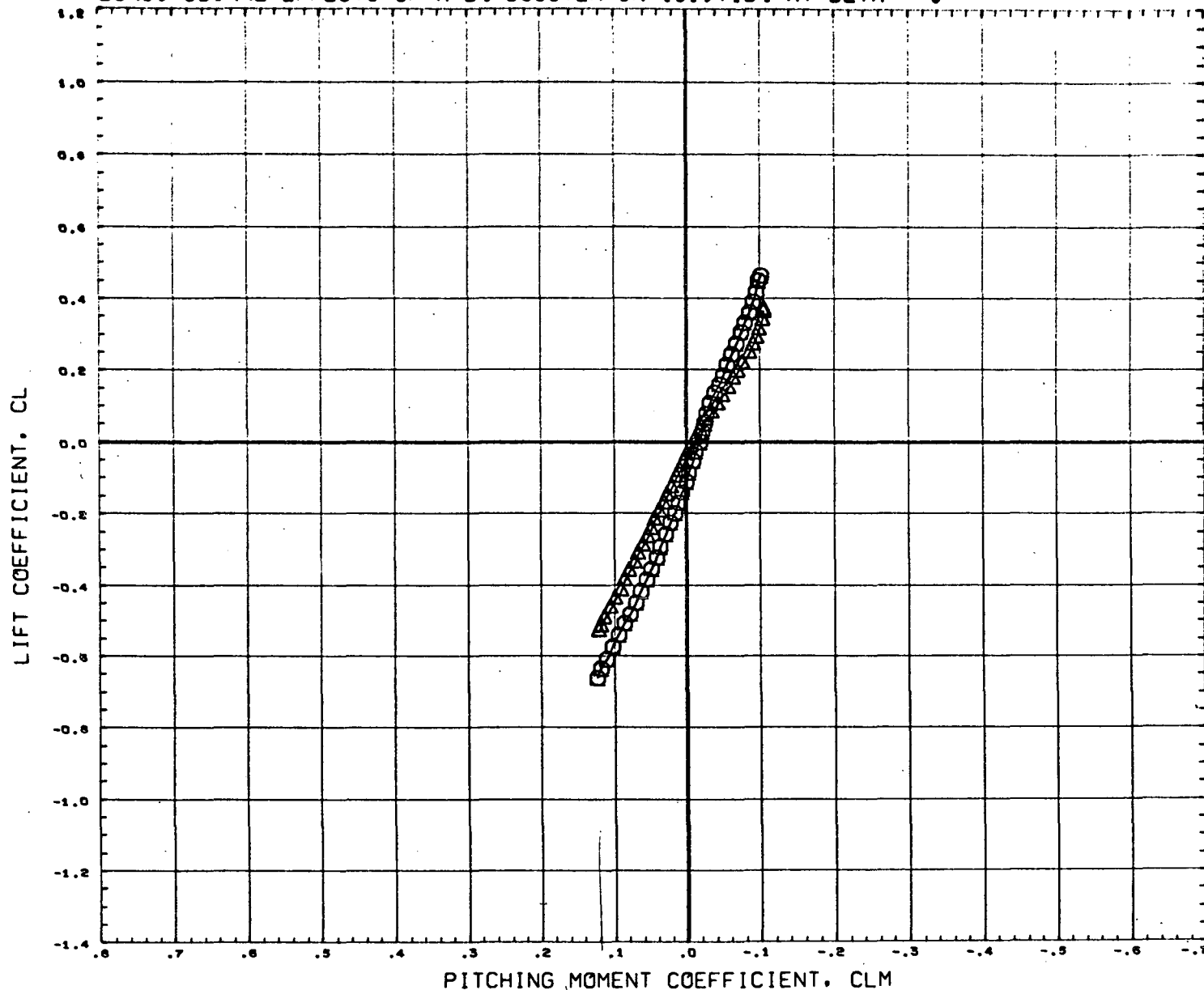


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7421)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7425)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7422)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0080

MACH 1.51

PAGE 637

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (O1)T1B4 AT BETA = 0



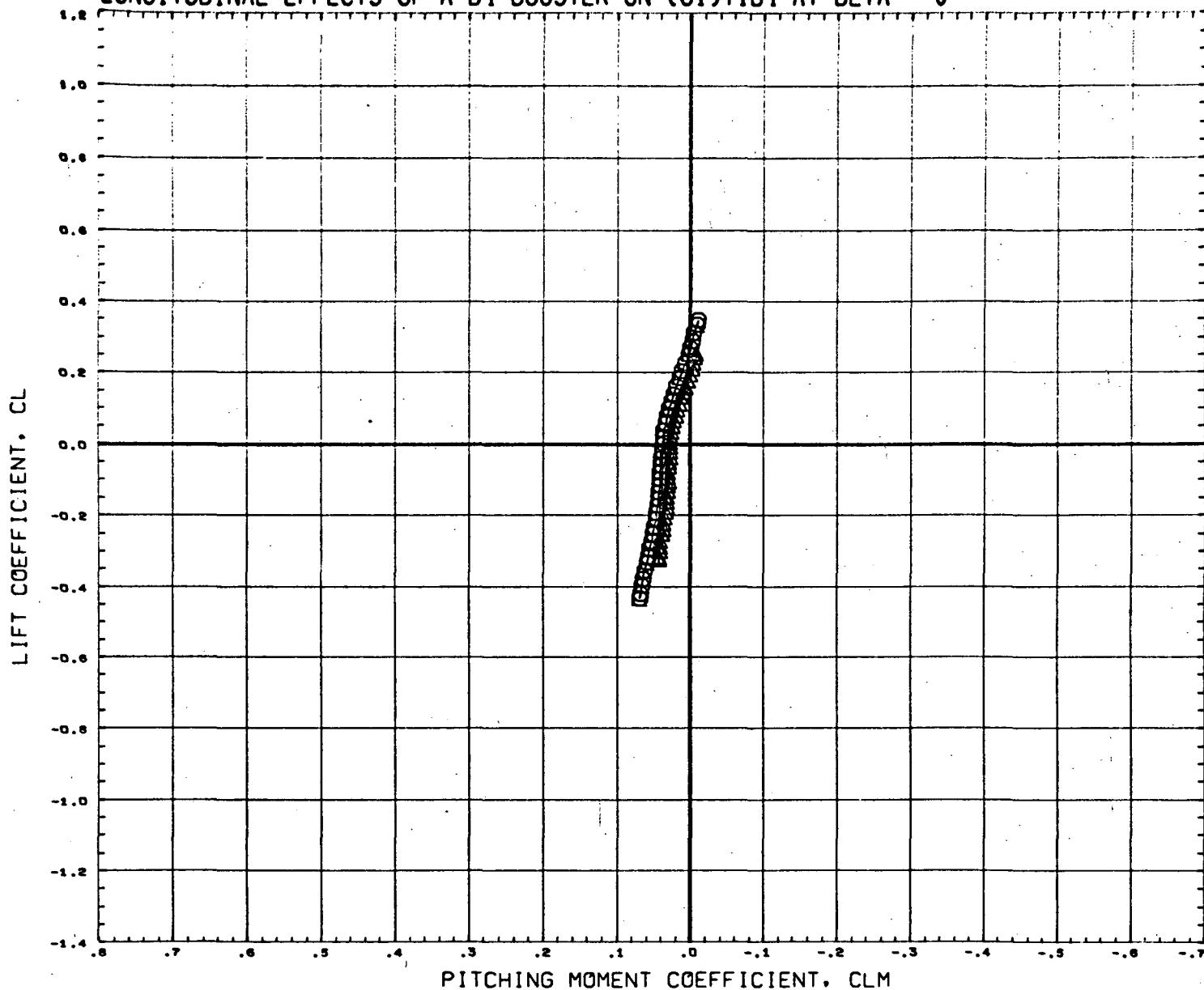
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7421)	MDAC S-222 COMPOSITE(T-CG) (O1)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7425)	MDAC S-222 COMPOSITE(T-CG) (O1)T1B4L(B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	682.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 638



# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (O1)T1B4 AT BETA = 0

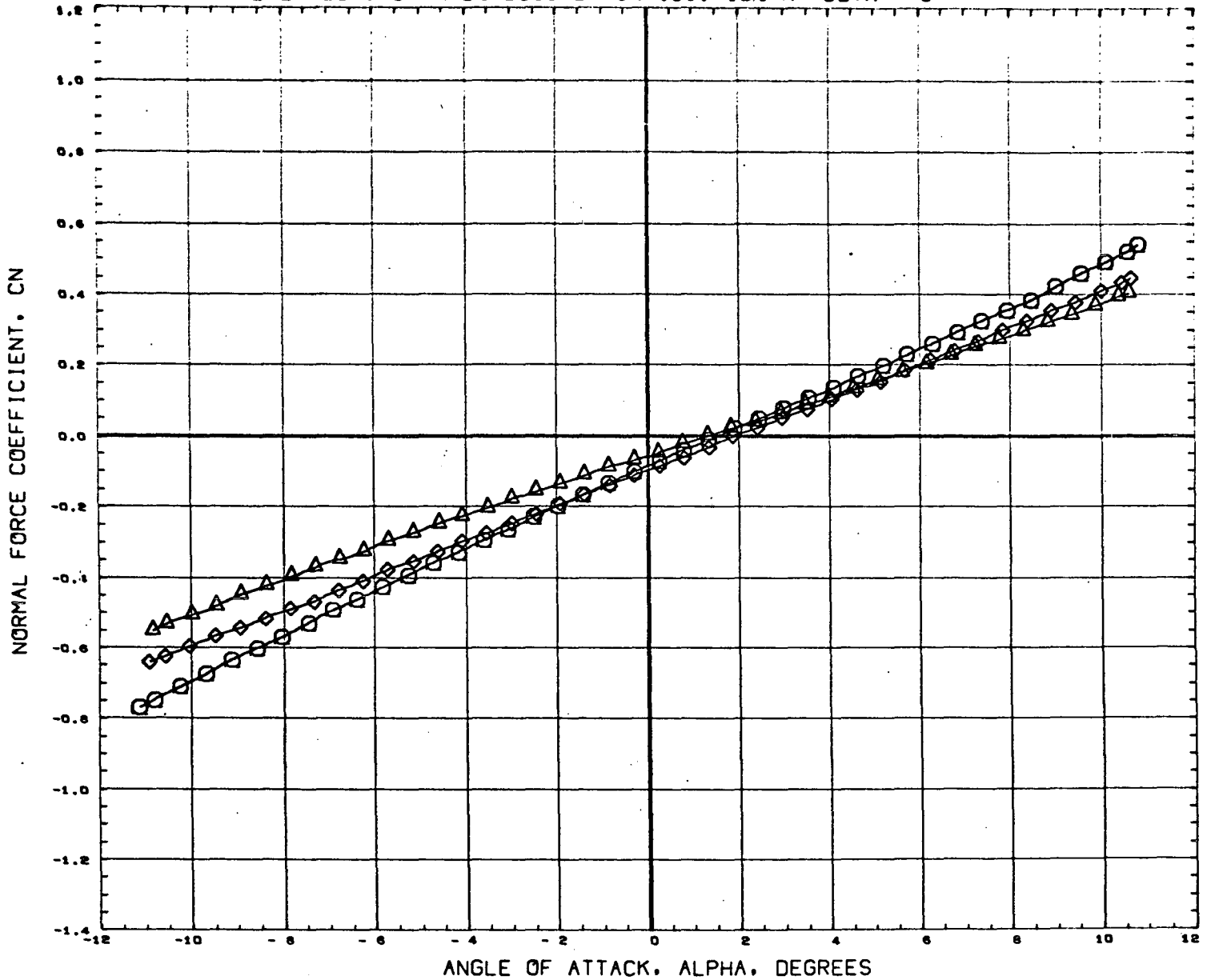


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7421)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7425)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 639

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (O1)T1B4 AT BETA = 6

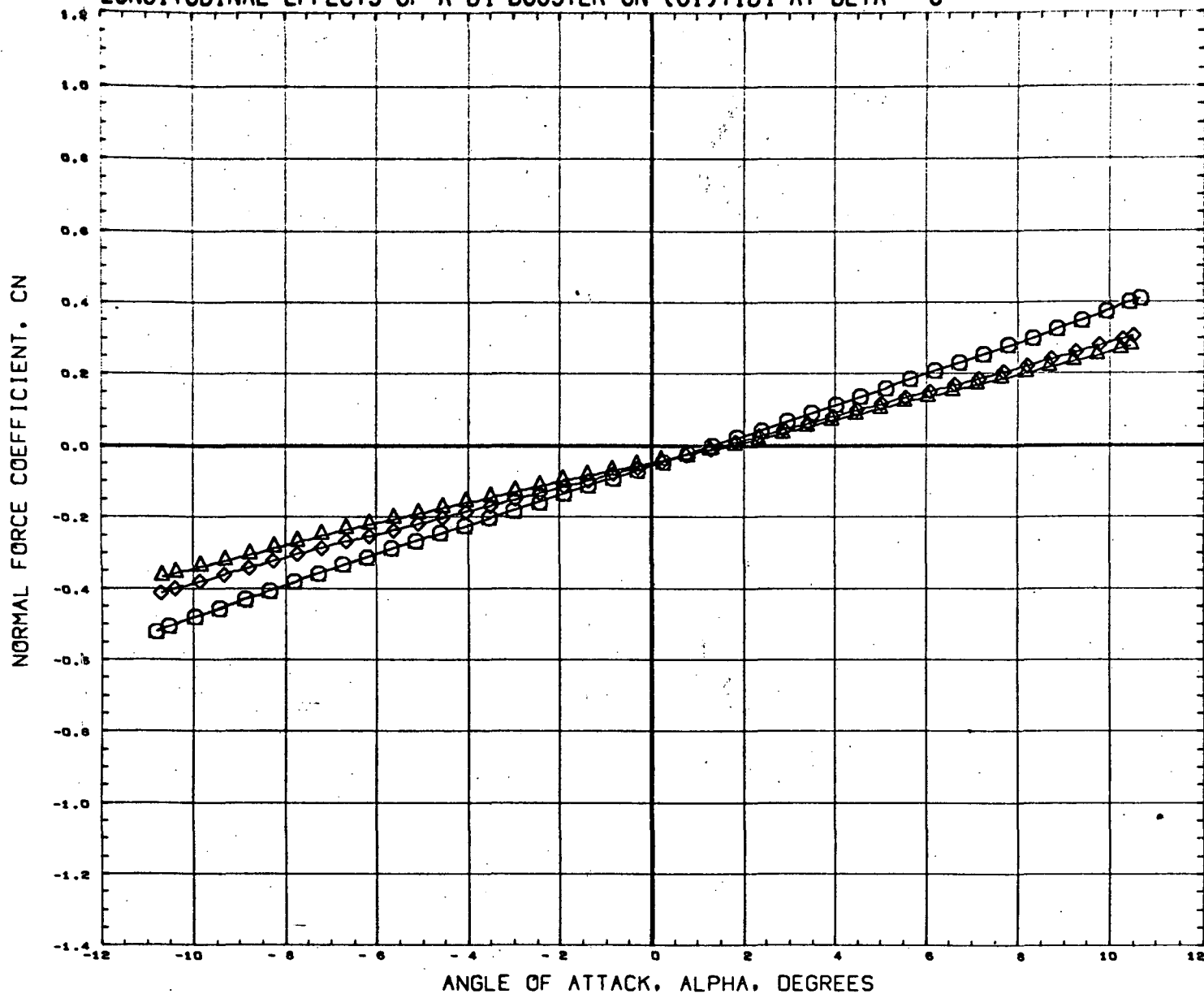


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7424)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7426)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B4L (B4R)	6.000	0.000	0.000	0.000	LREF	609.9004 IN.
(CD7428)	MDAC S-222 COMPOSITE (T-CG) (O1)T1 (B4L)B4R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 640

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (O1)T1B4 AT BETA = 6

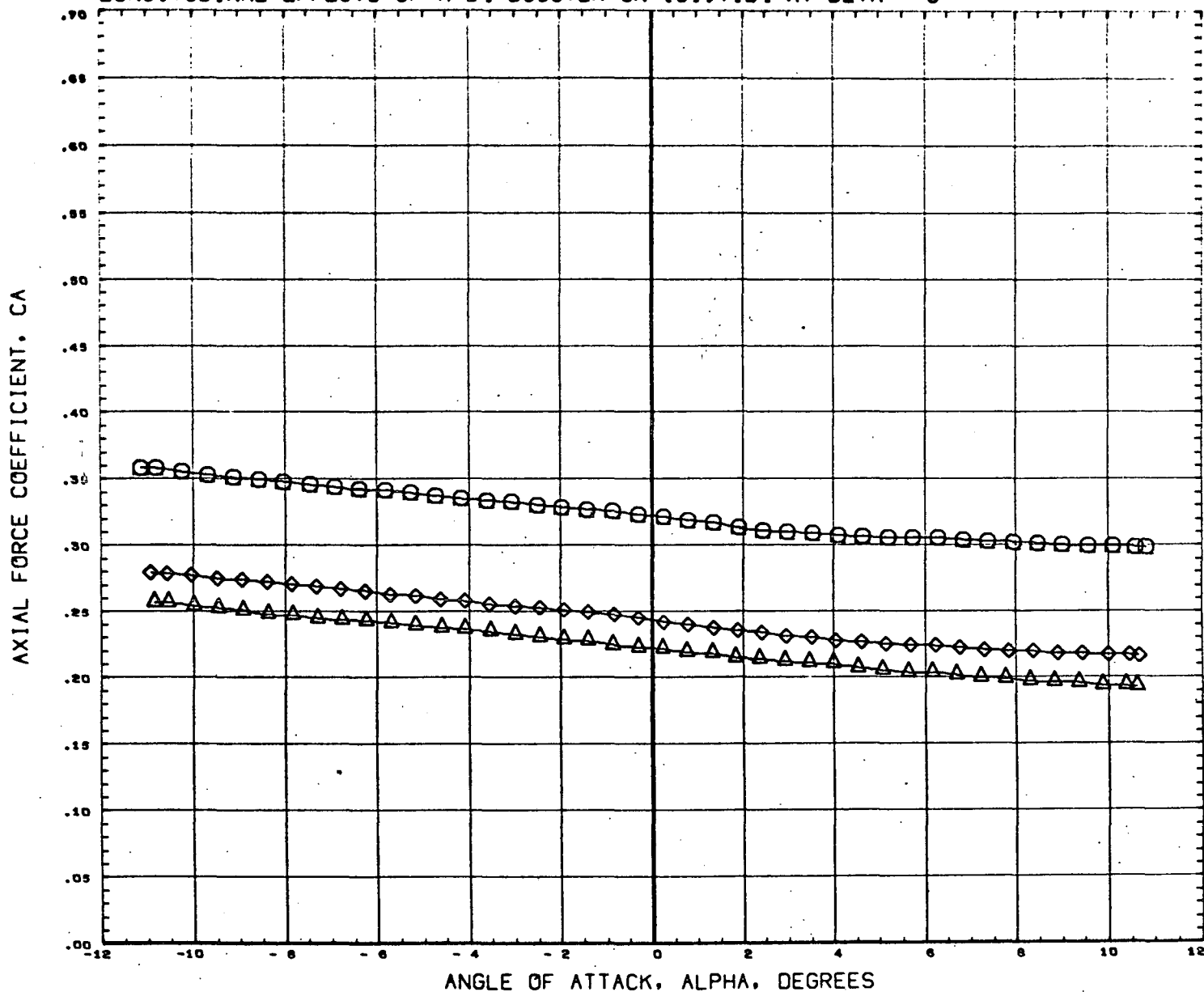


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7424)	MDAC S-222 COMPOSITE (T-CG) (O1) T1B4	6.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD7426)	MDAC S-222 COMPOSITE (T-CG) (O1) T1B4L (B4R)	6.000	0.000	0.000	0.000	LREF	609.5004	IN.
(CD7428)	MDAC S-222 COMPOSITE (T-CG) (O1) T1 (B4L)B4R	6.000	0.000	0.000	0.000	BREF	882.0004	IN.
						XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH 4.47

PAGE 641

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (O1)T1B4 AT BETA = 6

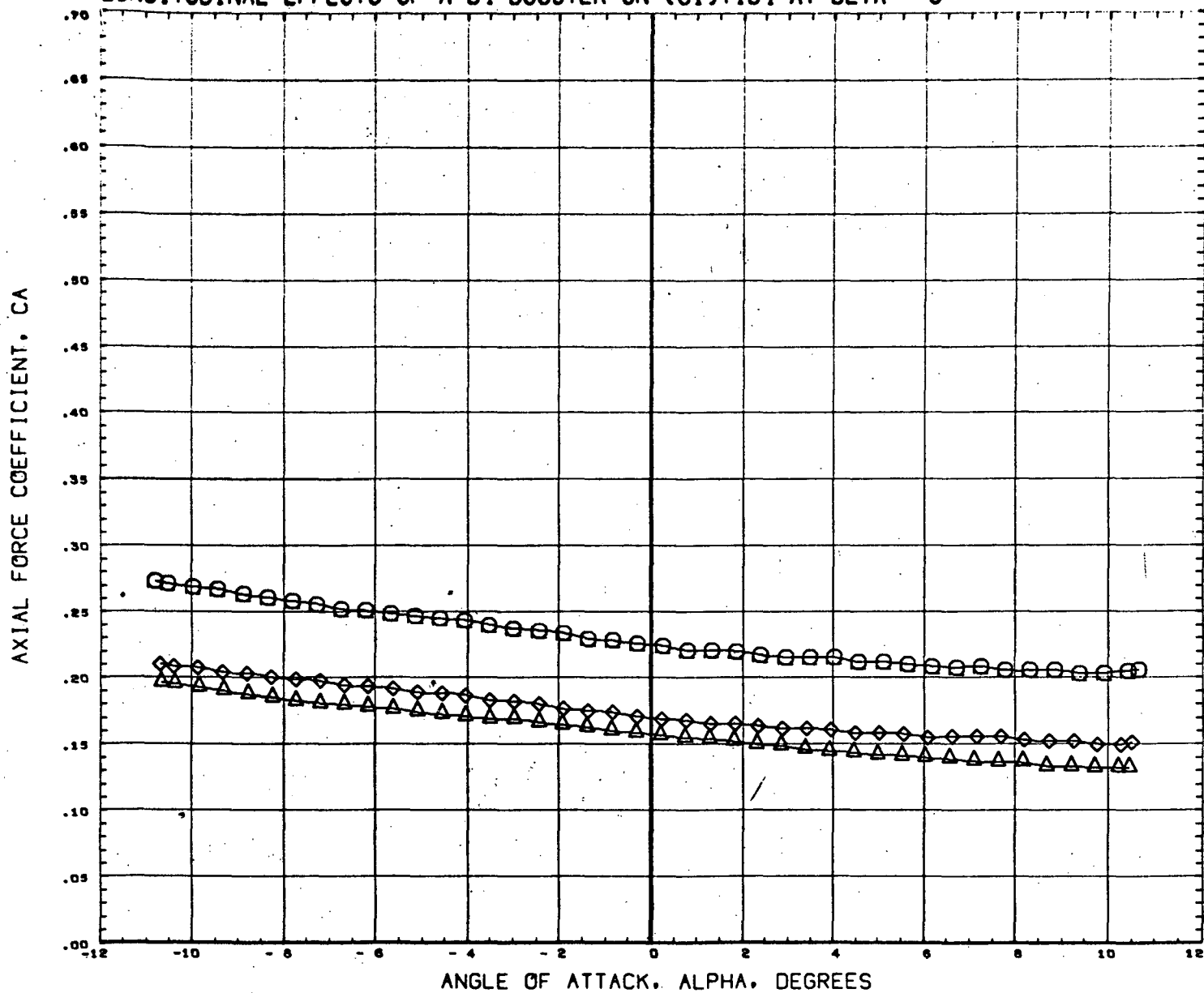


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7424)	MDAC S-222 COMPOSITE (T-CG) (O1) T1B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7426)	MDAC S-222 COMPOSITE (T-CG) (O1) T1B4L (B4R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7428)	MDAC S-222 COMPOSITE (T-CG) (O1) T1 (B4L)B4R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

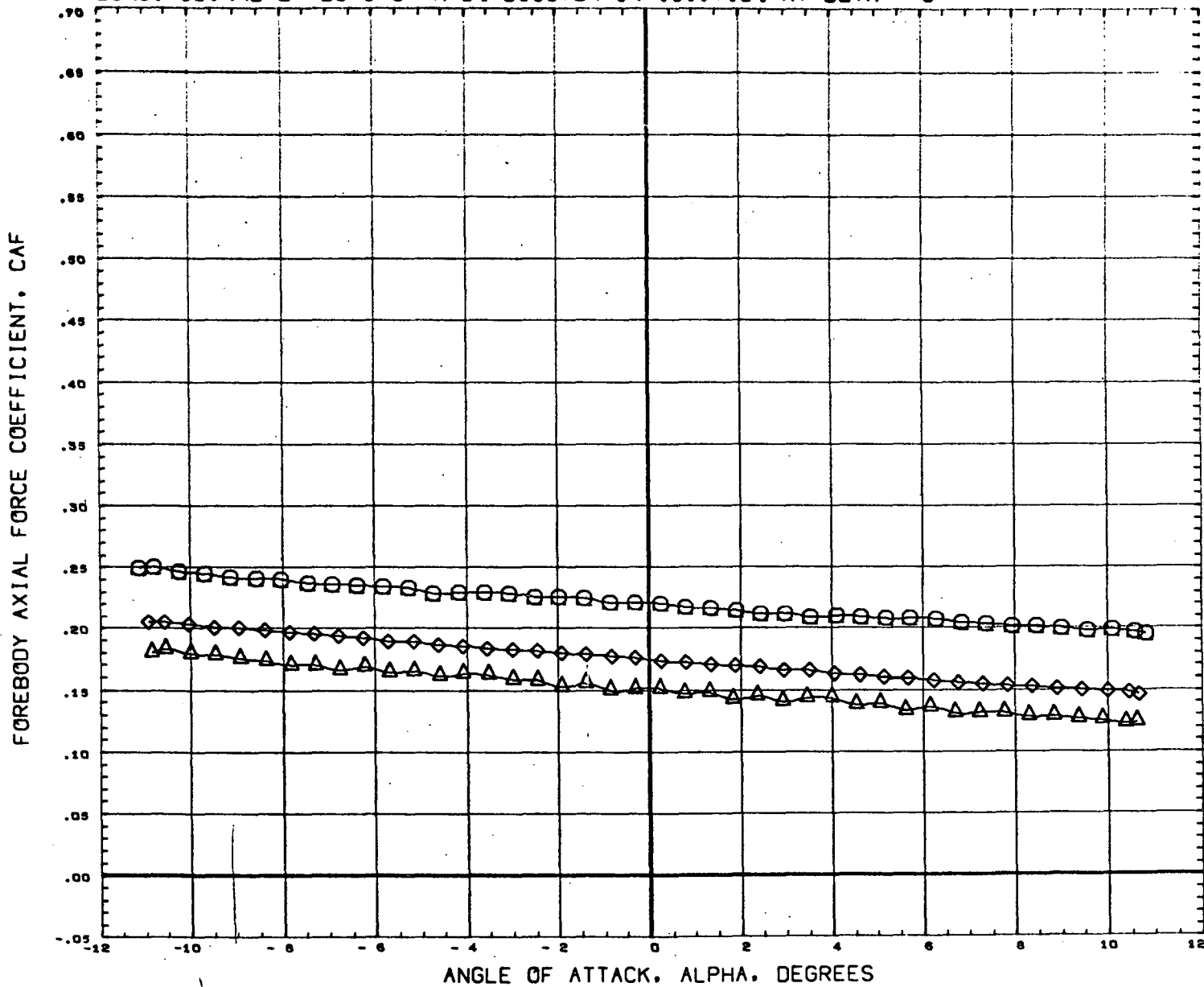
PAGE 642

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7424)	MDAC S-222 COMPOSITE (T-CG) (01) T1B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7426)	MDAC S-222 COMPOSITE (T-CG) (01) T1B4L (B4R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7428)	MDAC S-222 COMPOSITE (T-CG) (01) T1 (B4L)B4R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 6



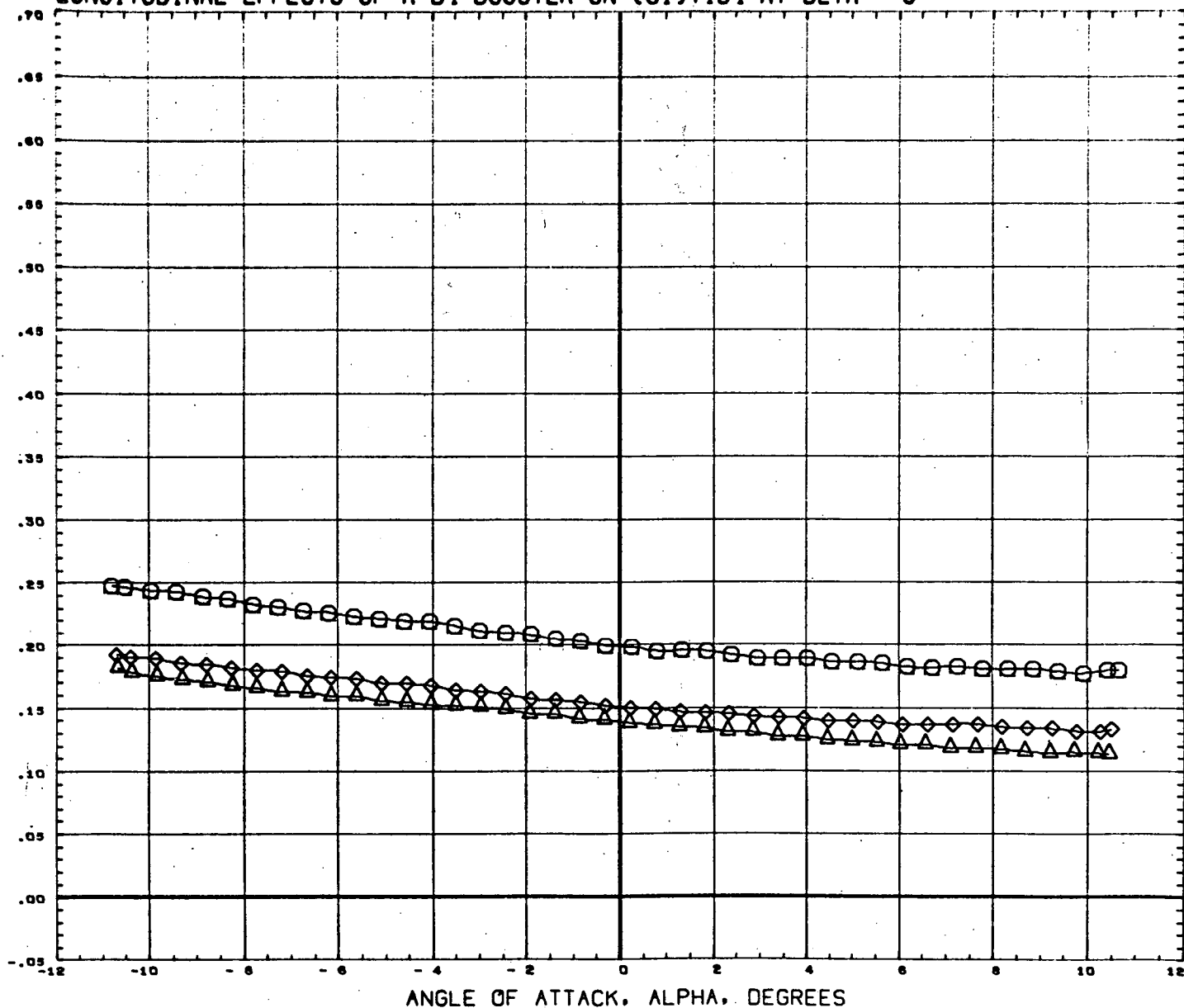
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7424)	MDAC S-222 COMPOSITE(T-CG) (01) T1B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7426)	MDAC S-222 COMPOSITE(T-CG) (01) T1B4L(B4R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7428)	MDAC S-222 COMPOSITE(T-CG) (01) T1(B4L)B4R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 644

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (O1)T1B4 AT BETA = 6

FOREBODY AXIAL FORCE COEFFICIENT, CAF



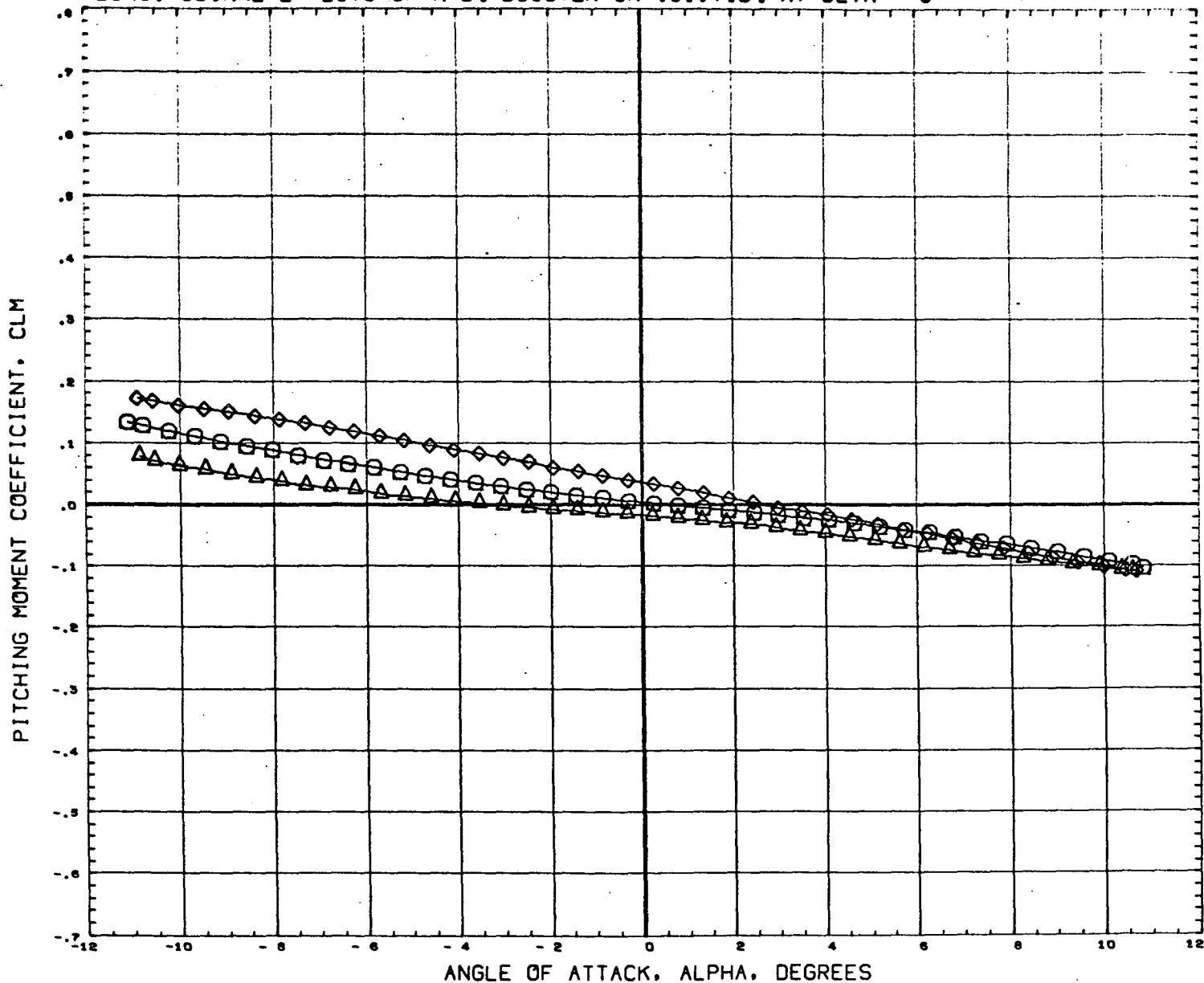
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7424)	MDAC S-222 COMPOSITE (T-CG) (O1) T1B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7426)	MDAC S-222 COMPOSITE (T-CG) (O1) T1B4L (B4R)	6.000	0.000	0.000	0.000	LREF	609.3004 IN.
(CD7428)	MDAC S-222 COMPOSITE (T-CG) (O1) T1 (B4L) B4R	6.000	0.000	0.000	0.000	BREF	682.0004 IN.
						XMRP	337.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH

4.47

PAGE 645

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 6



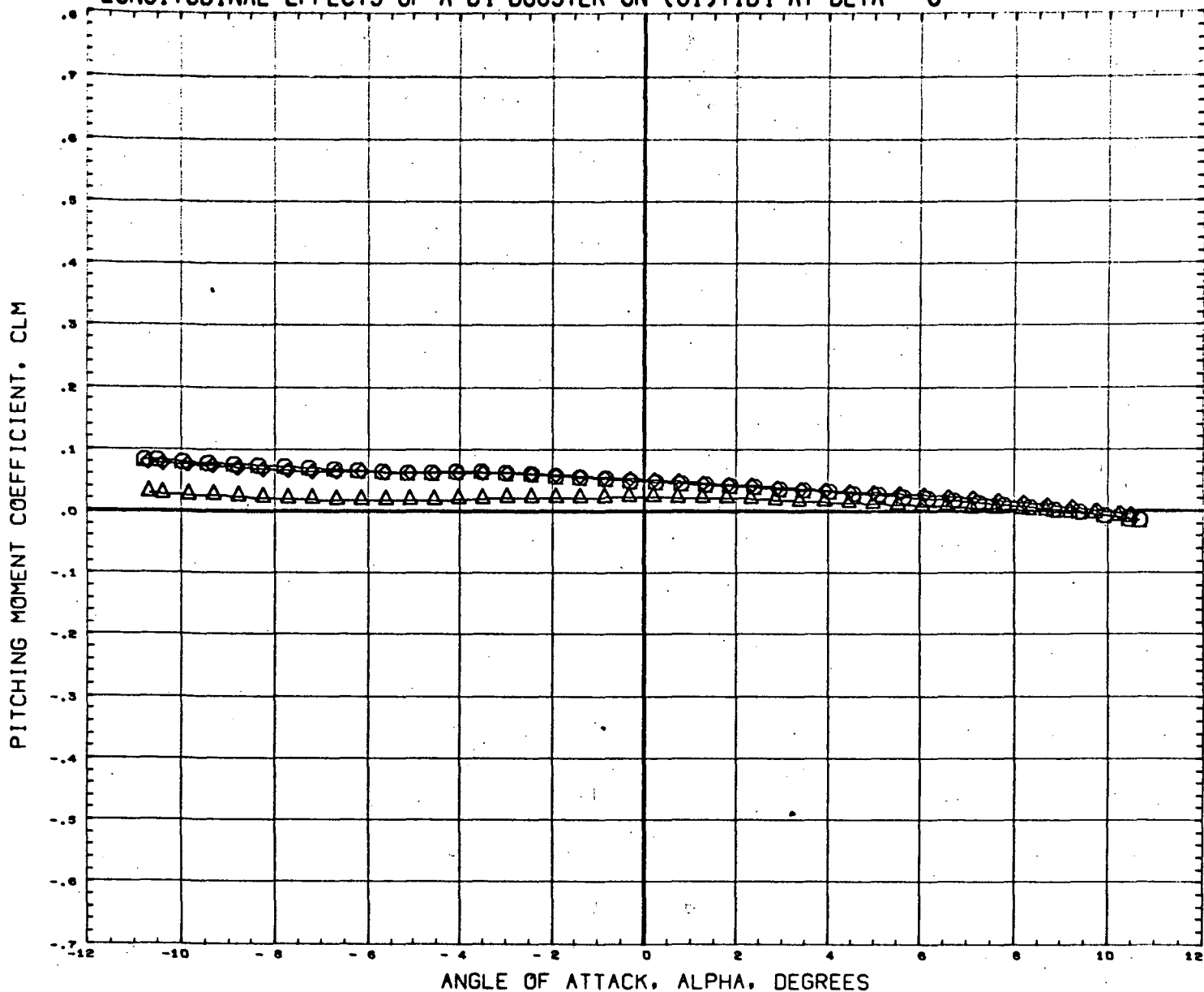
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7424)	MDAC S-222 COMPOSITE (T-CG) (01) T1B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7426)	MDAC S-222 COMPOSITE (T-CG) (01) T1B4L (B4R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7428)	MDAC S-222 COMPOSITE (T-CG) (01) T1 (B4L)B4R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 646



# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (O1)T1B4 AT BETA = 6

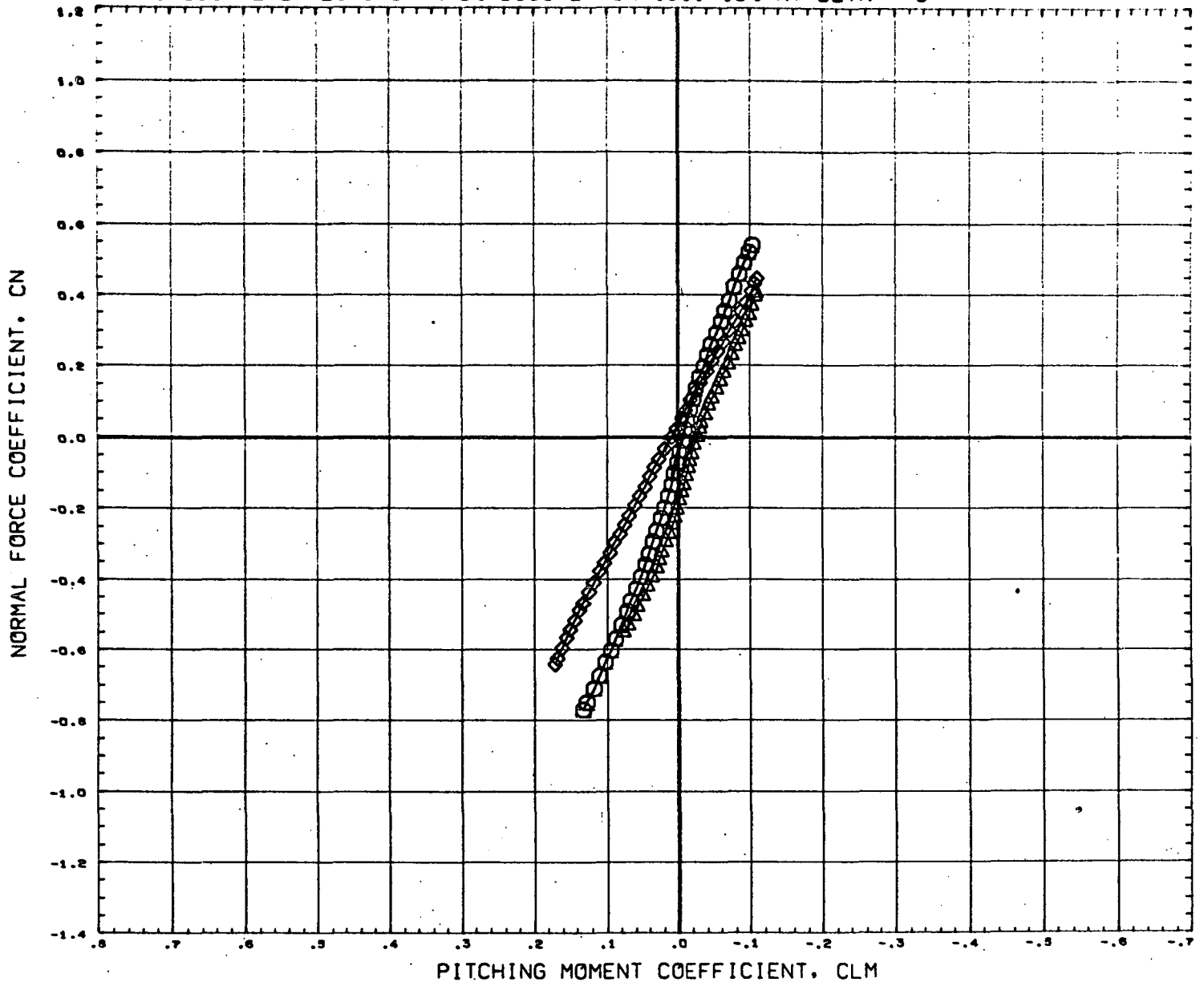


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7424)	MDAC S-222 COMPOSITE (T-CG) (O1) T1B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7426)	MDAC S-222 COMPOSITE (T-CG) (O1) T1B4L (B4R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7428)	MDAC S-222 COMPOSITE (T-CG) (O1) T1 (B4L) B4R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 647

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (O1)T1B4 AT BETA = 6



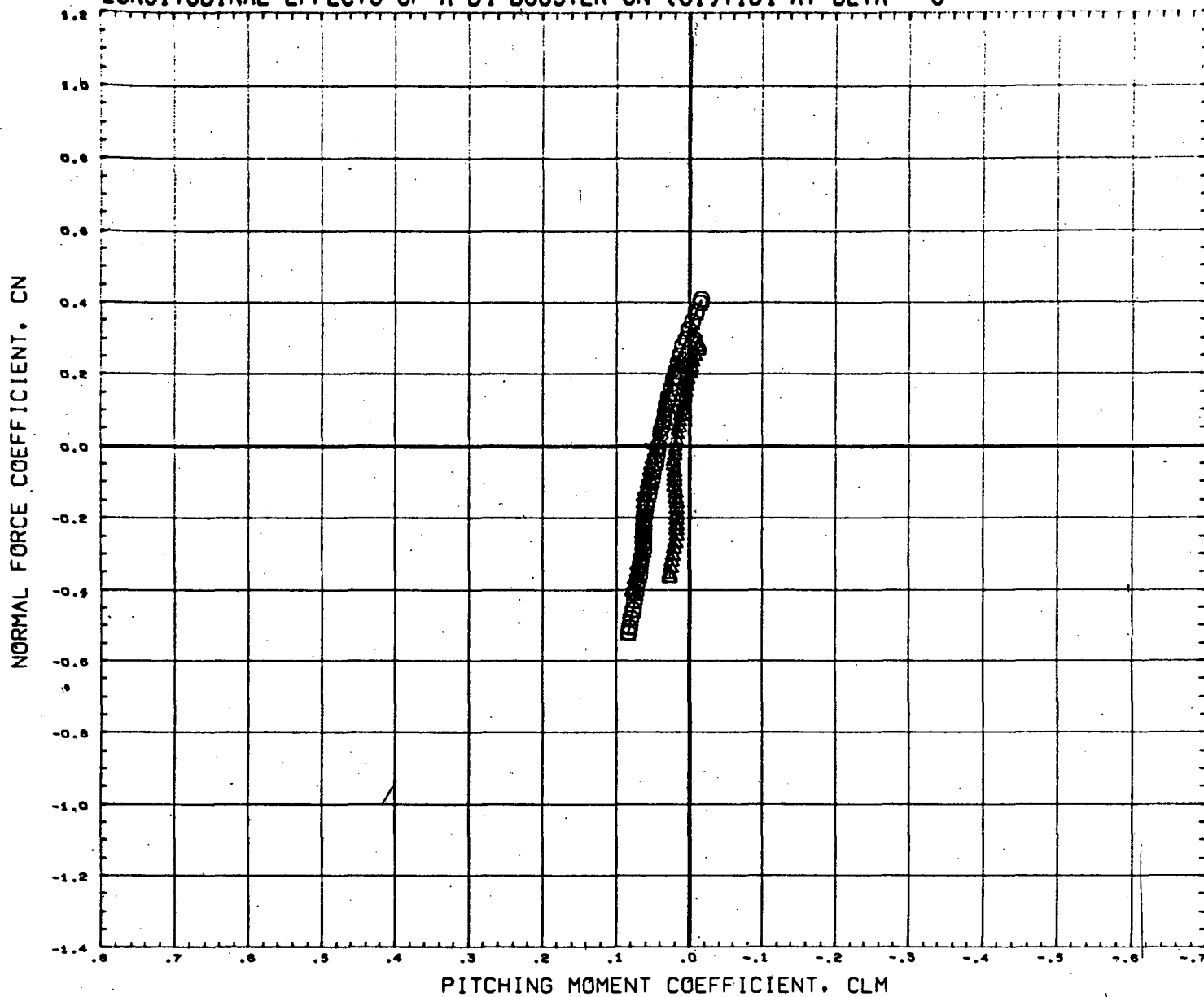
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7424)	MDAC S-222 COMPOSITE (T-CG) (O1) T1B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7426)	MDAC S-222 COMPOSITE (T-CG) (O1) T1B4L (B4R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7428)	MDAC S-222 COMPOSITE (T-CG) (O1) T1 (B4L)B4R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH

2.20

PAGE 648

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (O1)T1B4 AT BETA = 6

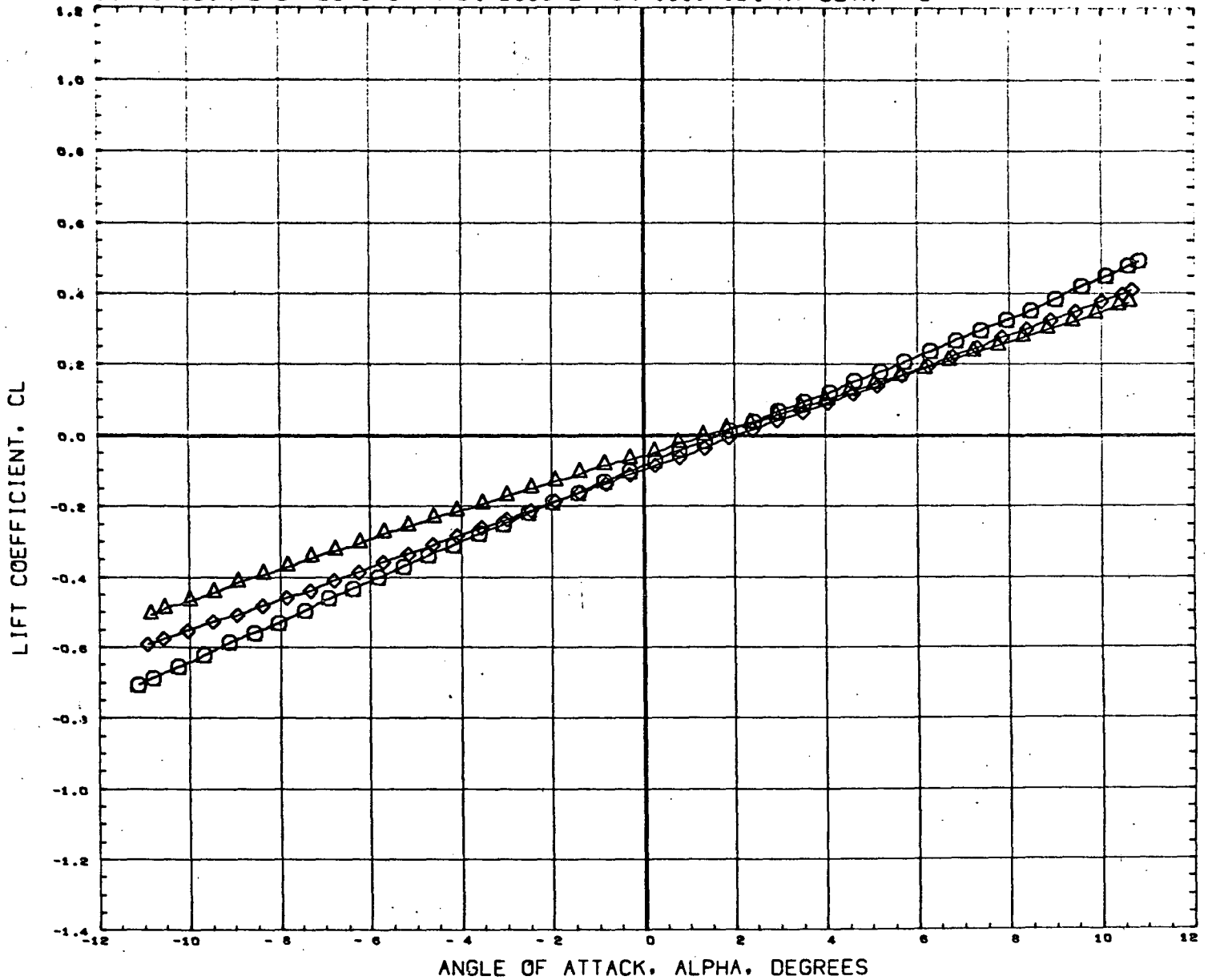


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7424)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7426)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B4L (B4R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7428)	MDAC S-222 COMPOSITE (T-CG) (O1)T1 (B4L)B4R	6.000	0.000	0.000	0.000	BREF	662.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 649

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (O1)T1B4 AT BETA = 6

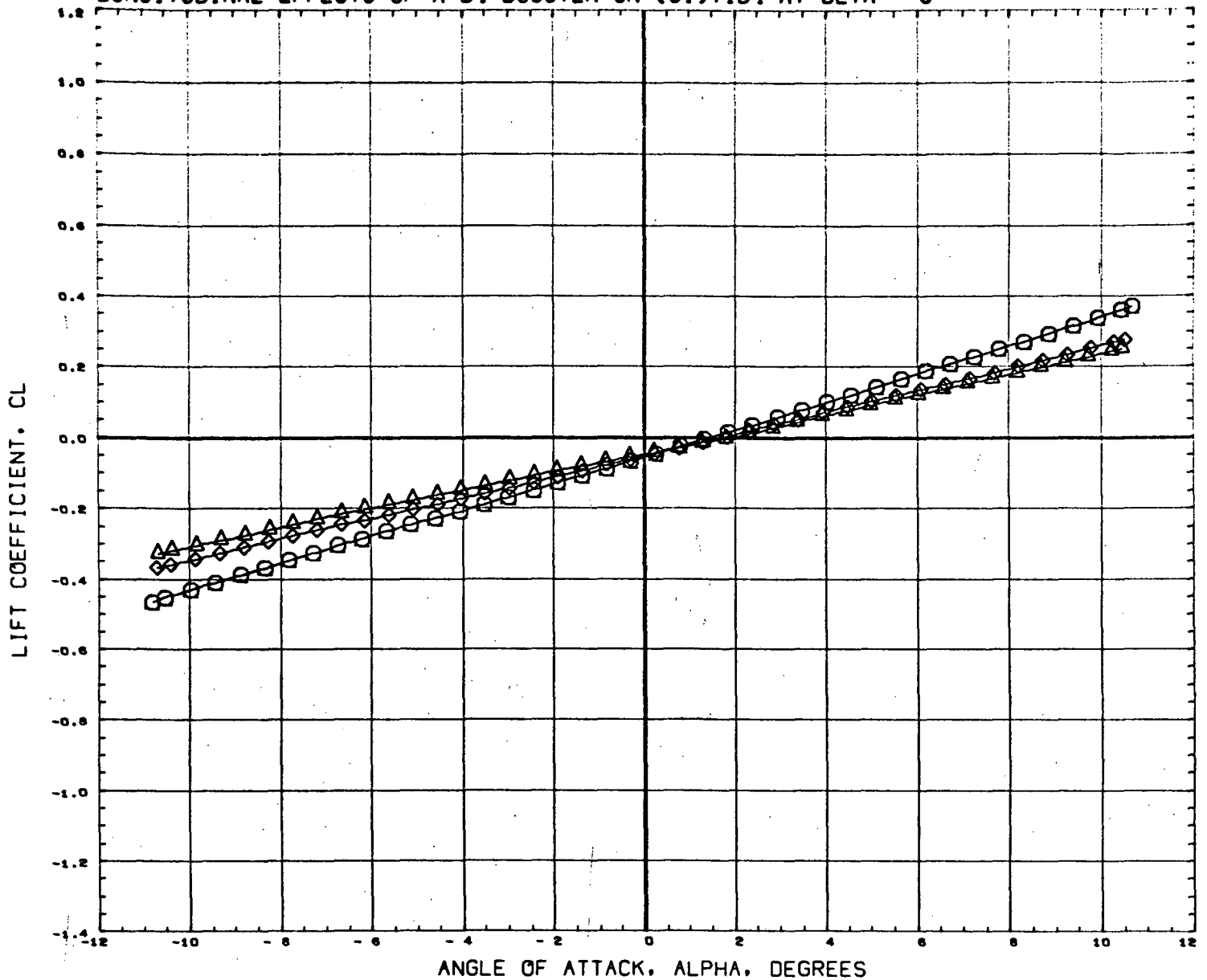


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7424)	MDAC S-222 COMPOSITE (T-CG) (O1) T1B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7426)	MDAC S-222 COMPOSITE (T-CG) (O1) T1B4L (B4R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7428)	MDAC S-222 COMPOSITE (T-CG) (O1) T1 (B4L) B4R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 650

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 6



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7424)	○	MDAC S-222 COMPOSITE (T-CG) (01) T1B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7426)	△	MDAC S-222 COMPOSITE (T-CG) (01) T1B4L (B4R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7428)	◇	MDAC S-222 COMPOSITE (T-CG) (01) T1 (B4L)B4R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
							XMRP	557.0004 IN.
							YMRP	0.0000 IN.
							ZMRP	200.0004 IN.
							SCALE	0.0060

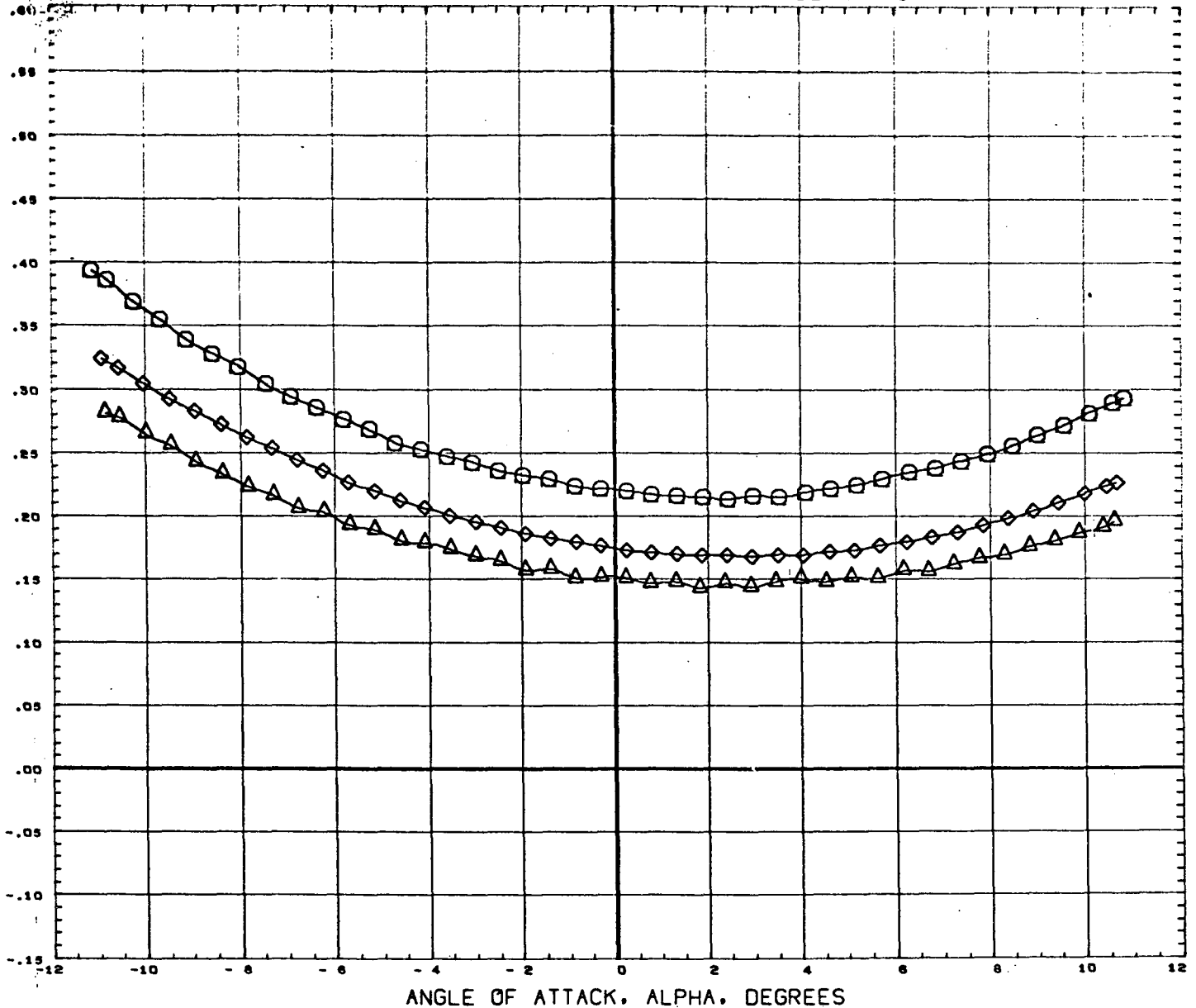
MACH

4.47

PAGE 651

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 6

FOREBODY DRAG COEFFICIENT, CDF



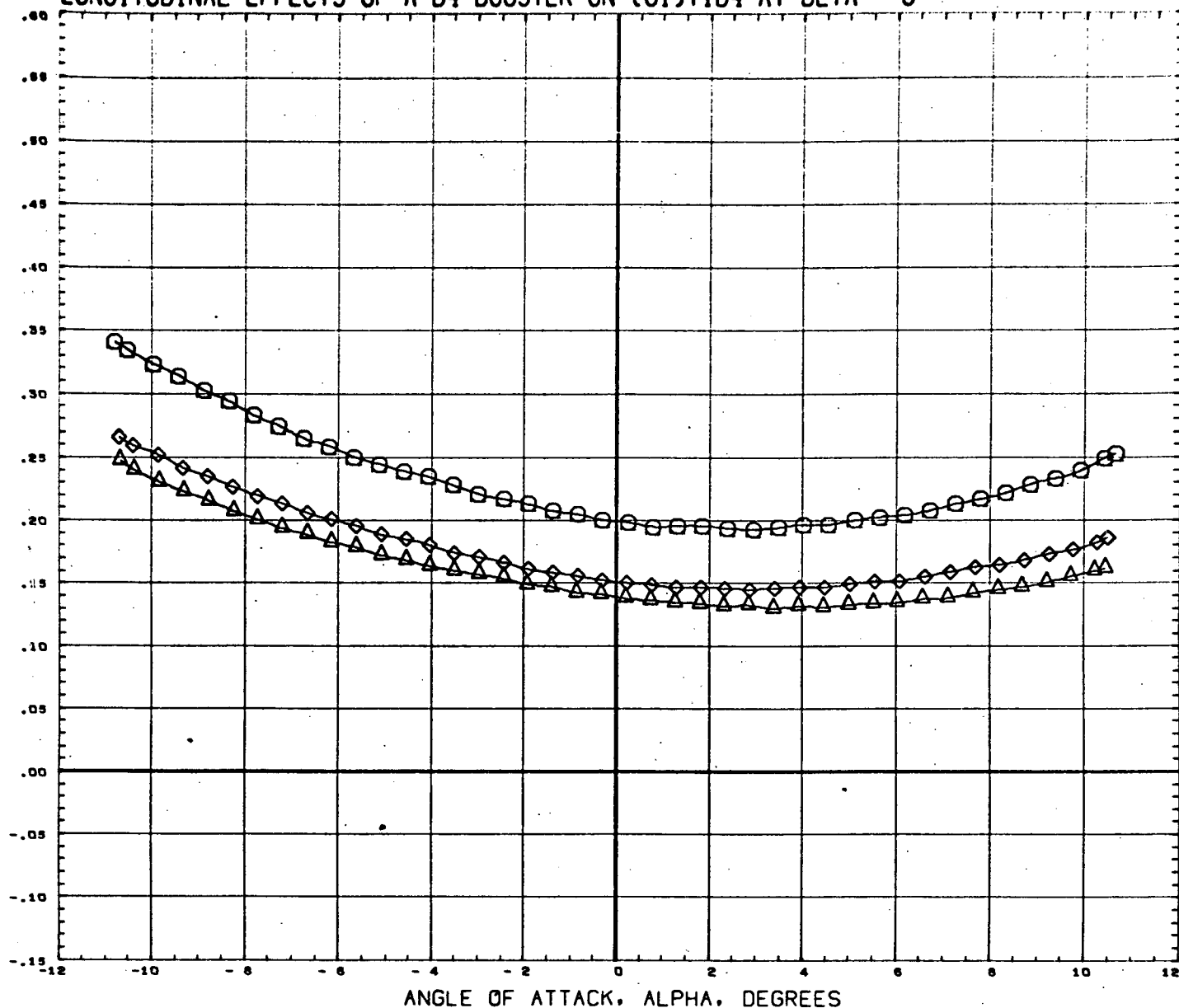
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7424)	MDAC S-222 COMPOSITE (T-CG) (01) T1B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7426)	MDAC S-222 COMPOSITE (T-CG) (01) T1B4L (B4R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7428)	MDAC S-222 COMPOSITE (T-CG) (01) T1 (B4L)B4R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 652

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (O1)T1B4 AT BETA = 6

FOREBODY DRAG COEFFICIENT, CDF



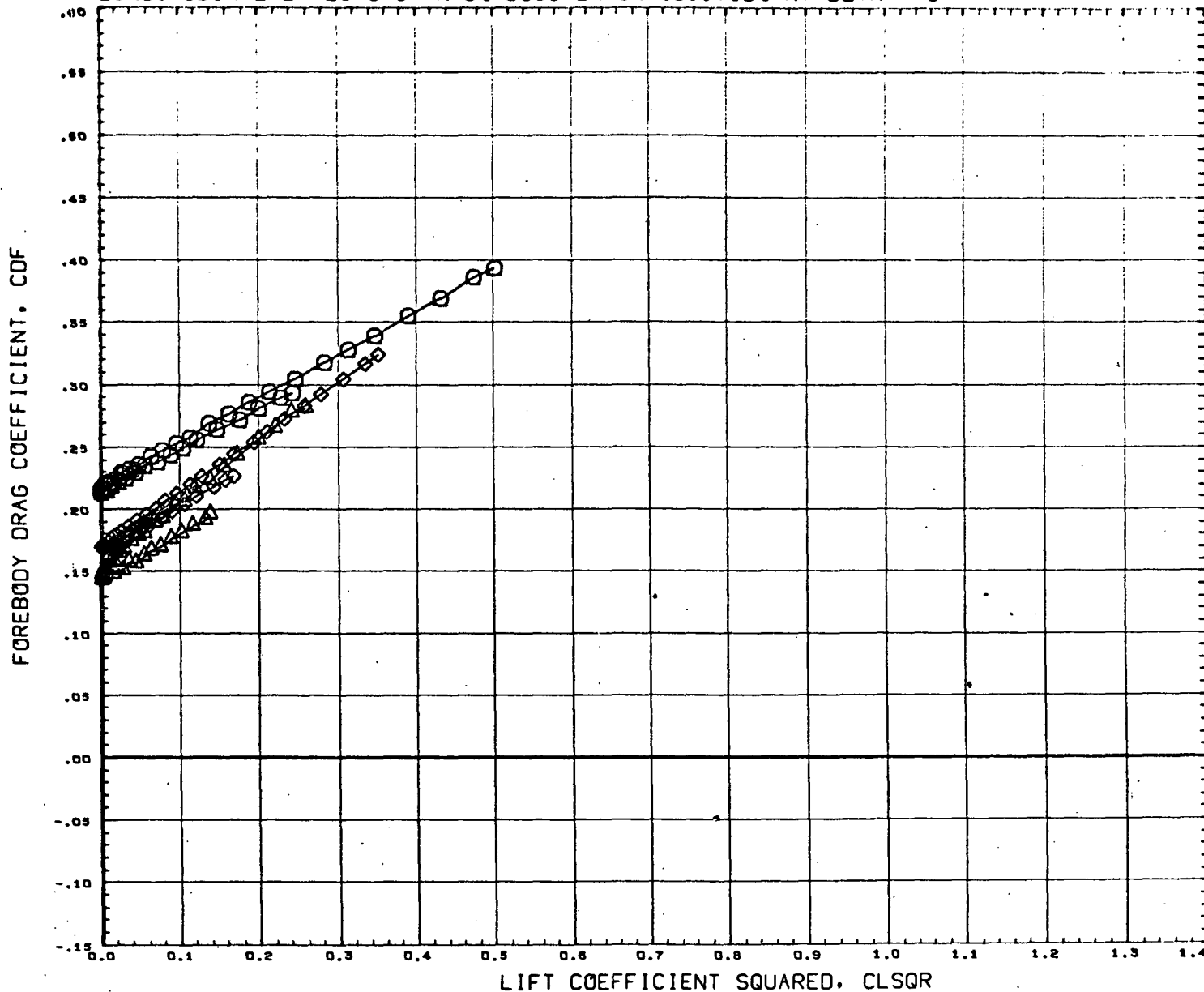
ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7424)	NDAC S-222 COMPOSITE (T-CG) (O1)T1B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7426)	NDAC S-222 COMPOSITE (T-CG) (O1)T1B4L(B4R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7428)	NDAC S-222 COMPOSITE (T-CG) (O1)T1(B4L)B4R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 653

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07424)	MDAC S-222 COMPOSITE (T-CG) (01) T1B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07426)	MDAC S-222 COMPOSITE (T-CG) (01) T1B4L (B4R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(C07428)	MDAC S-222 COMPOSITE (T-CG) (01) T1 (B4L) B4R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

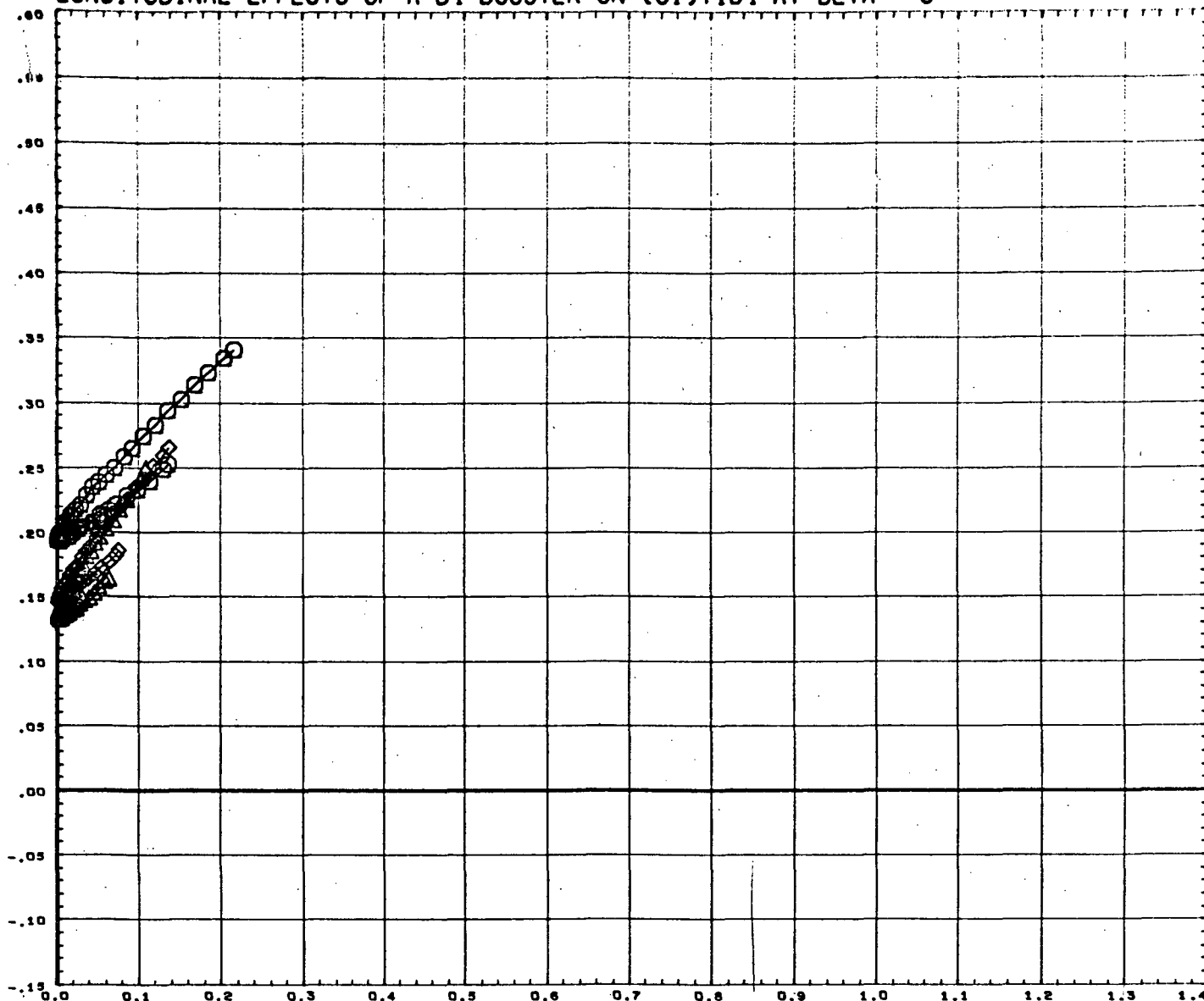
MACH 2.20

PAGE 654



# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 6

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQR

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07424)	MDAC S-222 COMPOSITE (T-CG) (01) T1B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07426)	MDAC S-222 COMPOSITE (T-CG) (01) T1B4L (B4R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(C07428)	MDAC S-222 COMPOSITE (T-CG) (01) T1 (B4L) B4R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	357.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

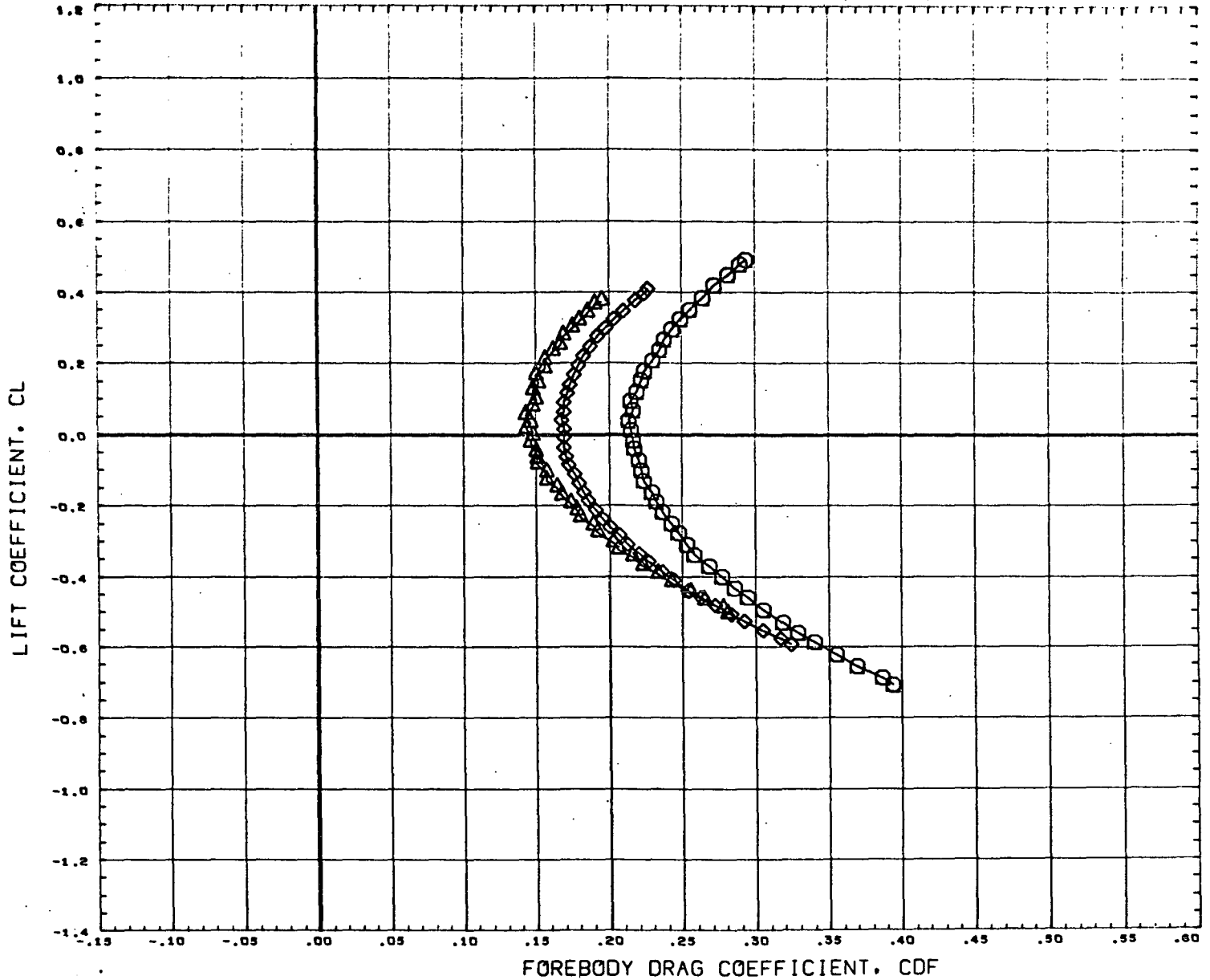
MACH

4.47

PAGE

655

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 6

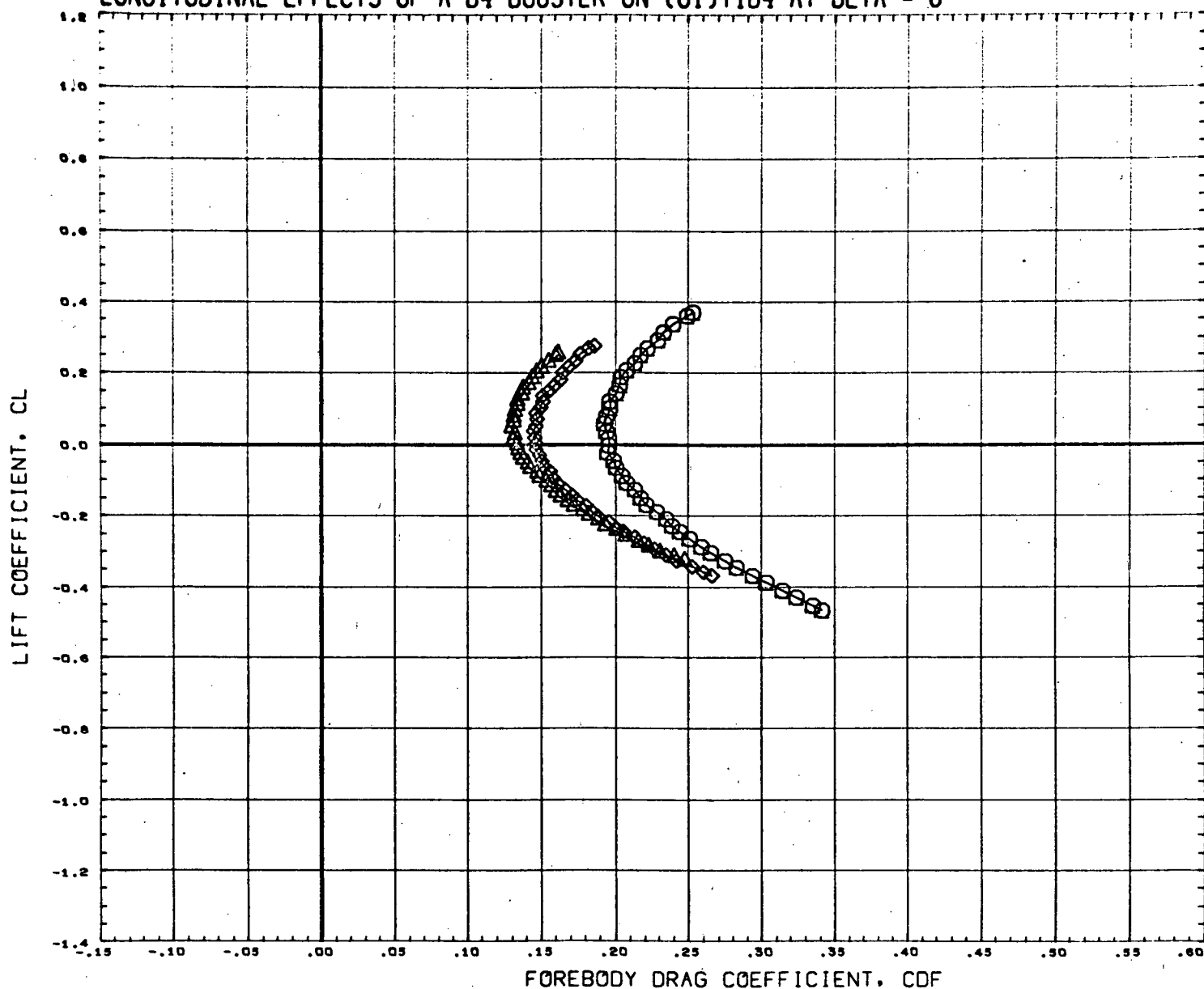


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7424)	MDAC S-222 COMPOSITE (T-CG) (01) T1B4	6.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD7426)	MDAC S-222 COMPOSITE (T-CG) (01) T1B4L (B4R)	6.000	0.000	0.000	0.000	LREF	609.5004	IN.
(CD7428)	MDAC S-222 COMPOSITE (T-CG) (01) T1 (B4L)B4R	6.000	0.000	0.000	0.000	BREF	882.0004	IN.
						XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH 2.20

PAGE 656

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (O1)T1B4 AT BETA = 6

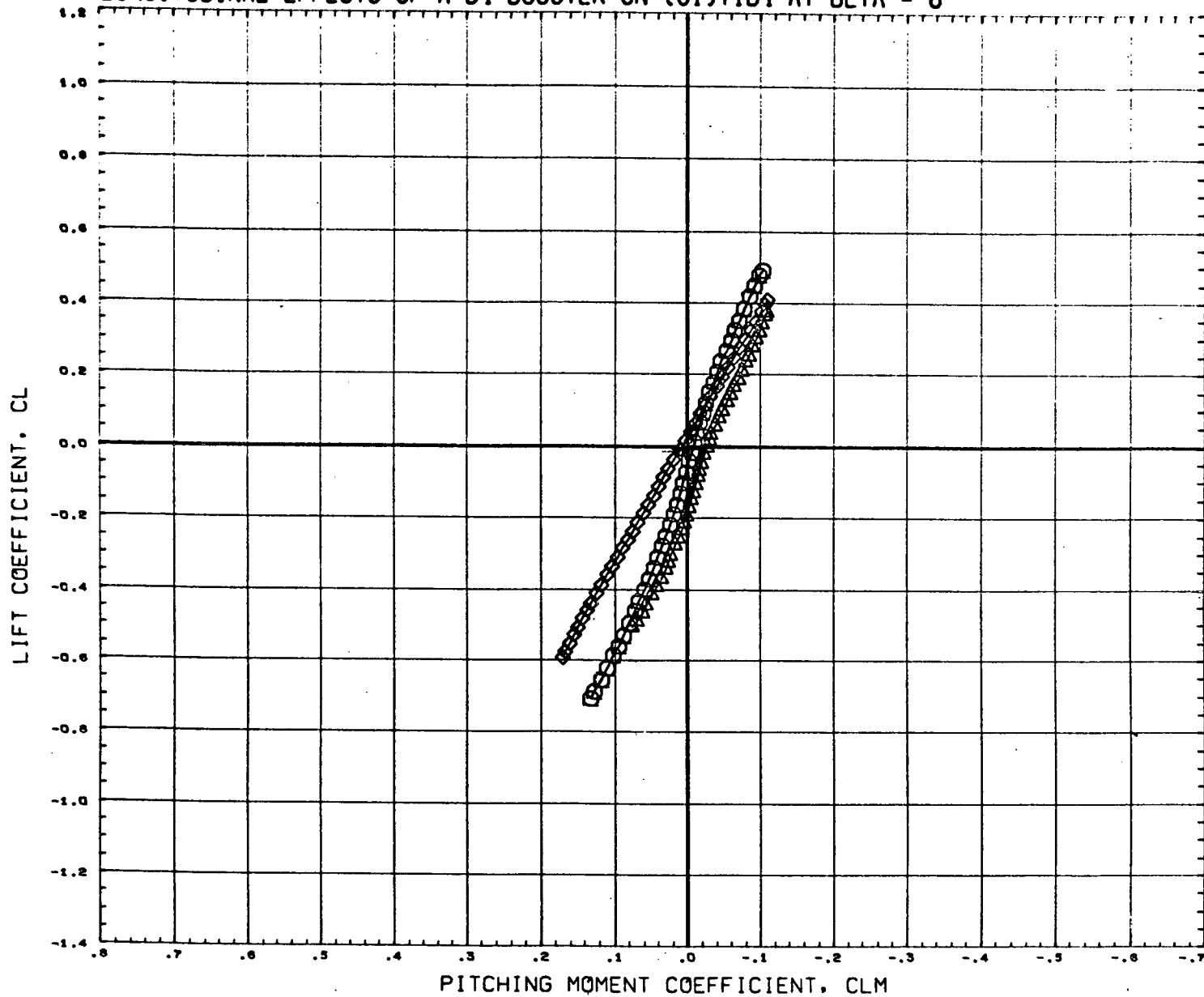


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07424)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07426)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B4L (B4R)	6.000	0.000	0.000	0.000	LREF	609.9004 IN.
(C07428)	MDAC S-222 COMPOSITE (T-CG) (O1)T1 (B4L)B4R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 657

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 6

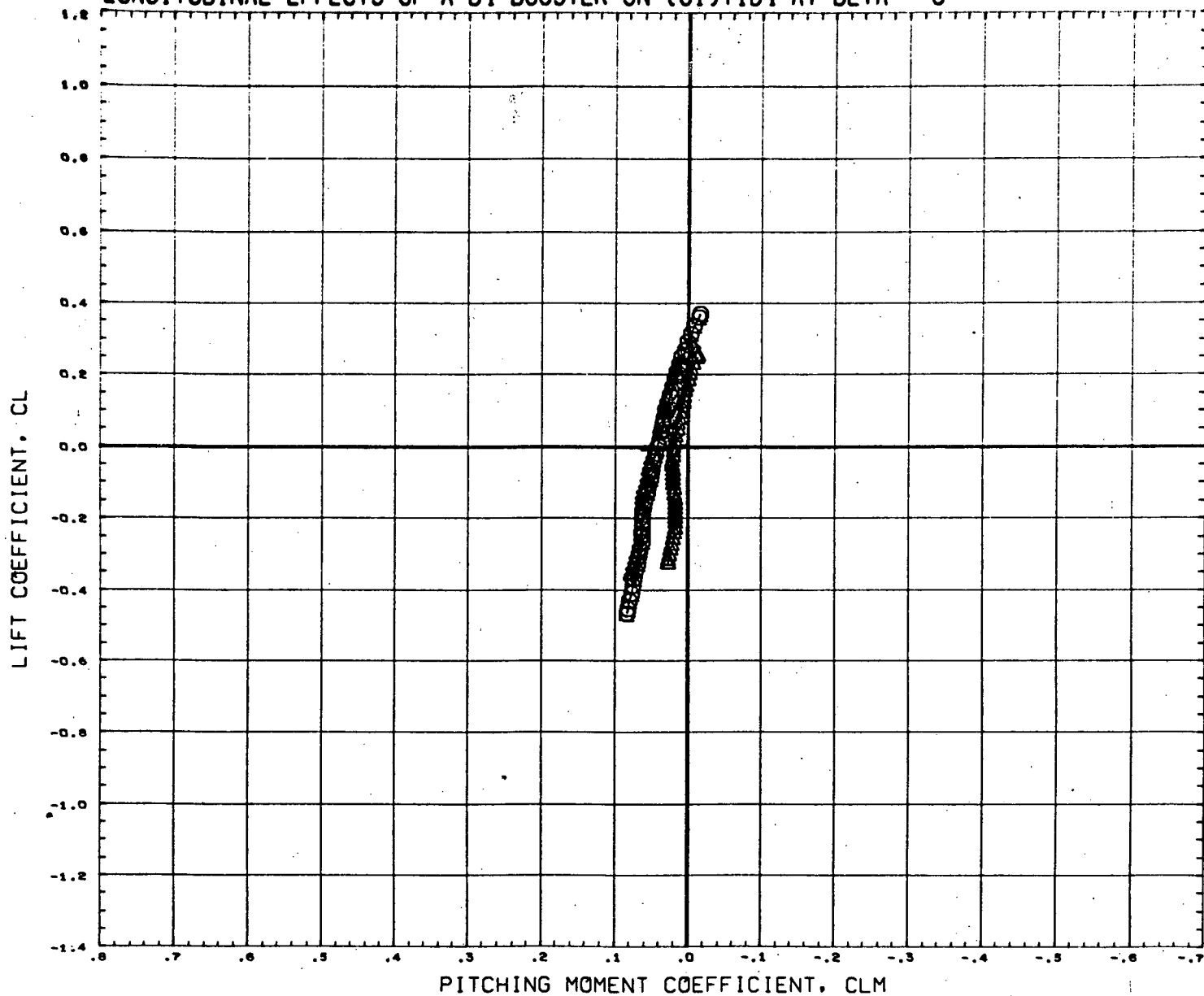


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7424)	NDAC S-222 COMPOSITE (T-CG) (01)T1B4	6.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD7425)	NDAC S-222 COMPOSITE (T-CG) (01)T1B4L (B4R)	6.000	0.000	0.000	0.000	LREF	609.5004	IN.
(CD7426)	NDAC S-222 COMPOSITE (T-CG) (01)T1 (B4L)B4R	6.000	0.000	0.000	0.000	BREF	882.0004	IN.
						XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH 2.20

PAGE 658

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (O1)T1B4 AT BETA = 6



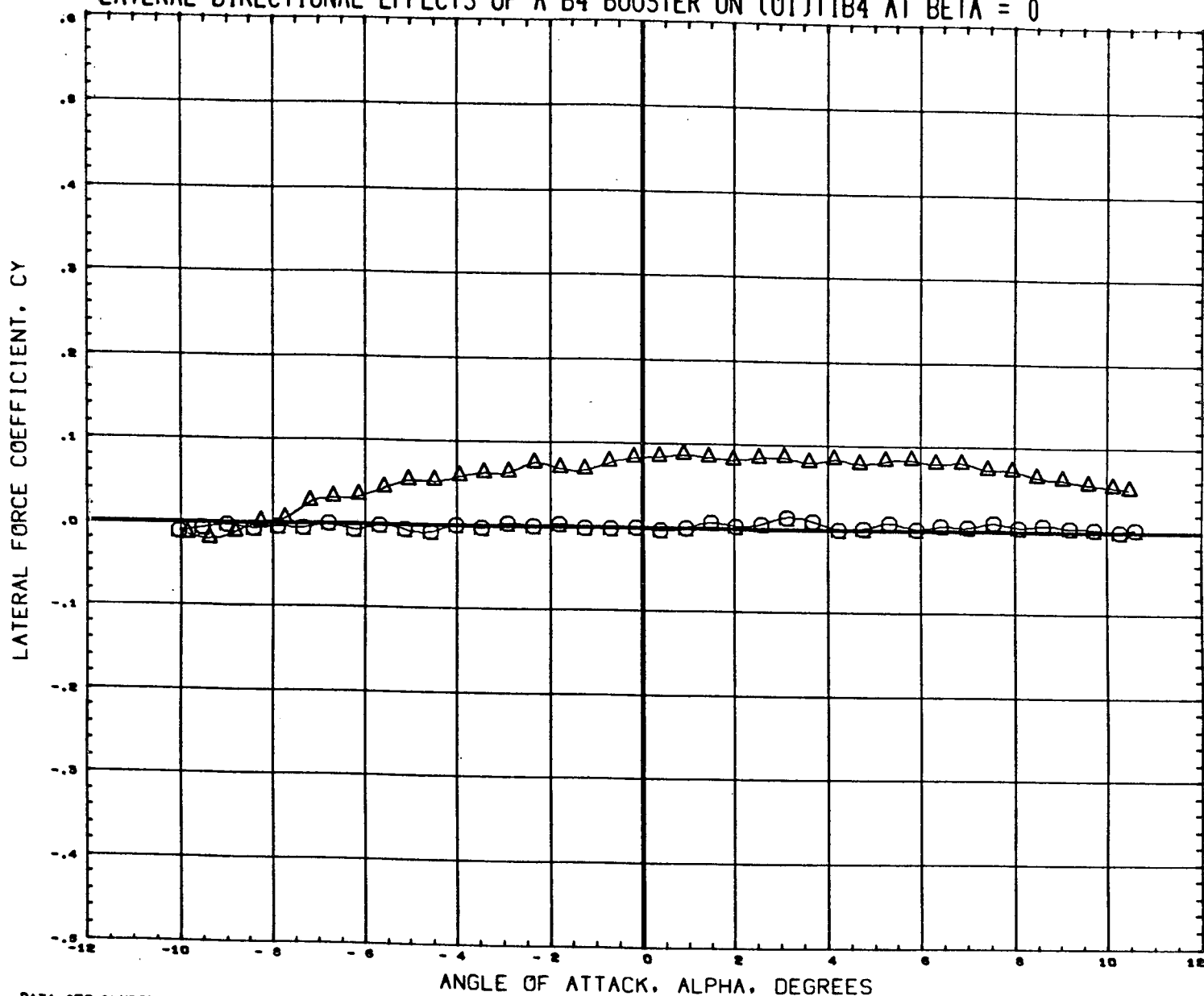
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7424)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7426)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B4L (B4R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7428)	MDAC S-222 COMPOSITE (T-CG) (O1)T1 (B4L)B4R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH

4.47

PAGE 659

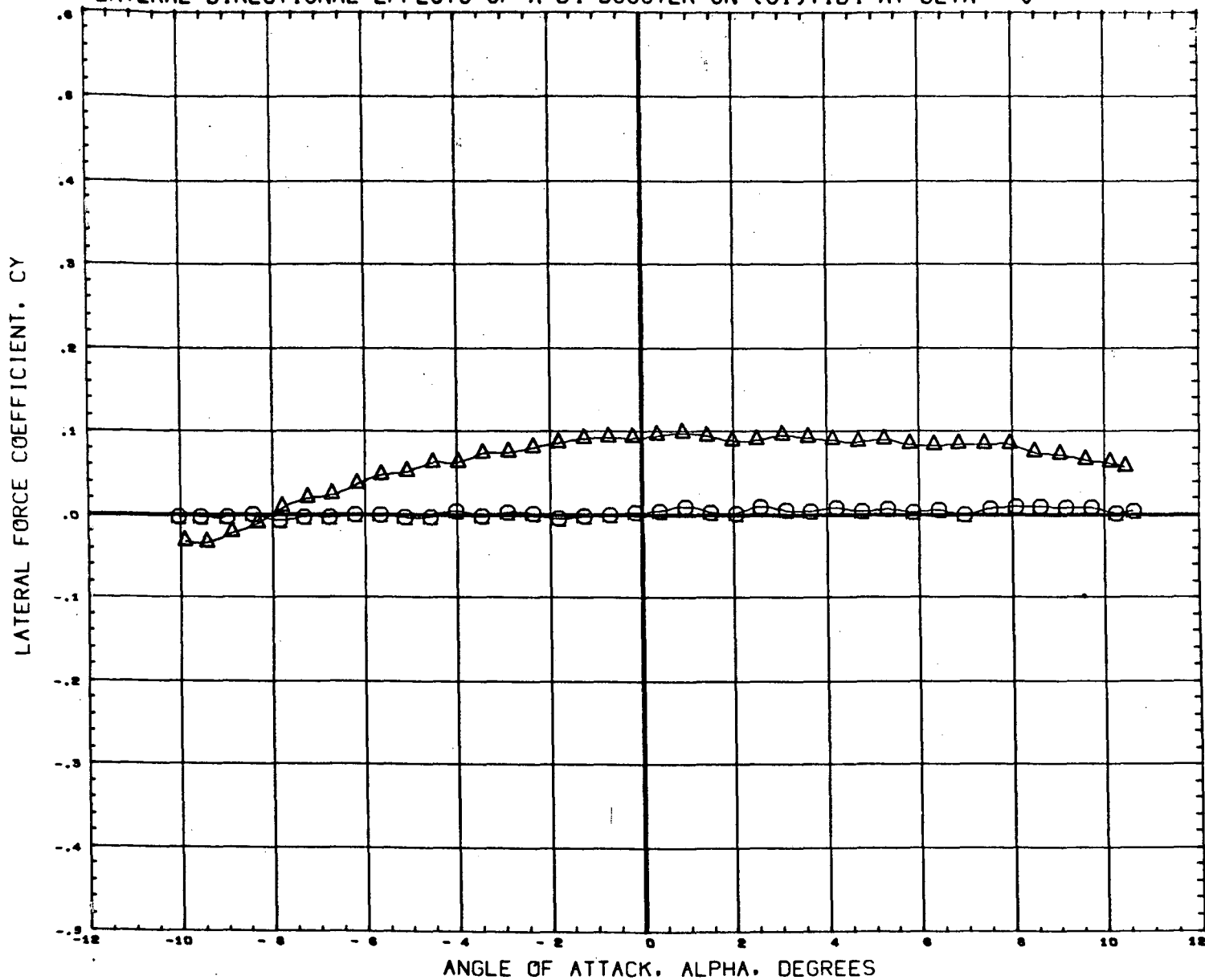
# LATERAL-DIRECTIONAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7421)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7425)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	662.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

# LATERAL-DIRECTIONAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0

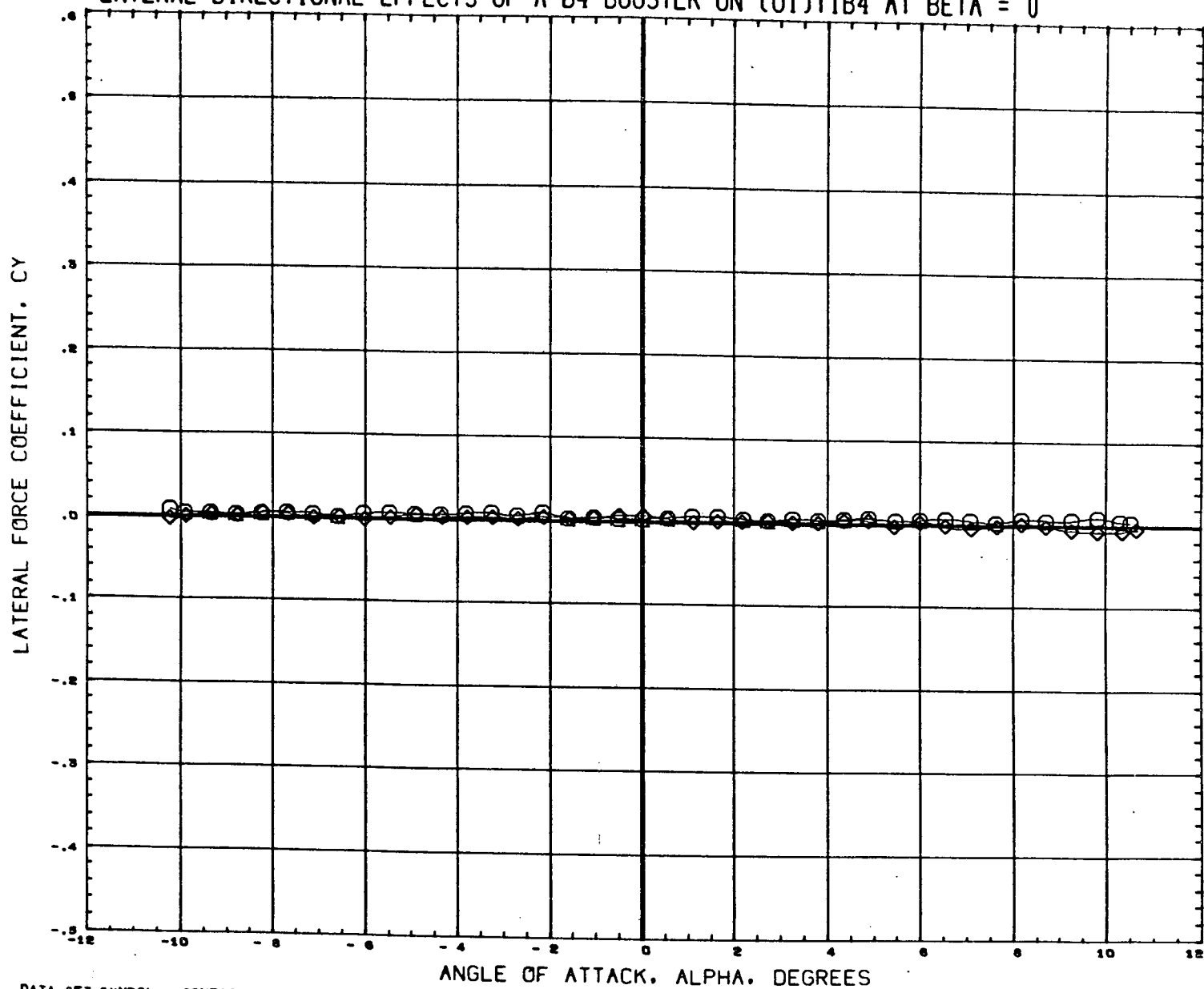


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7421)	○	MDAC S-222 COMPOSITE (T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7423)	△	MDAC S-222 COMPOSITE (T-CG) (01)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7422)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
							XMRP	557.0004 IN.
							YMRP	0.0000 IN.
							ZMRP	200.0004 IN.
							SCALE	0.0060

MACH 1.09

PAGE 661

# LATERAL-DIRECTIONAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0



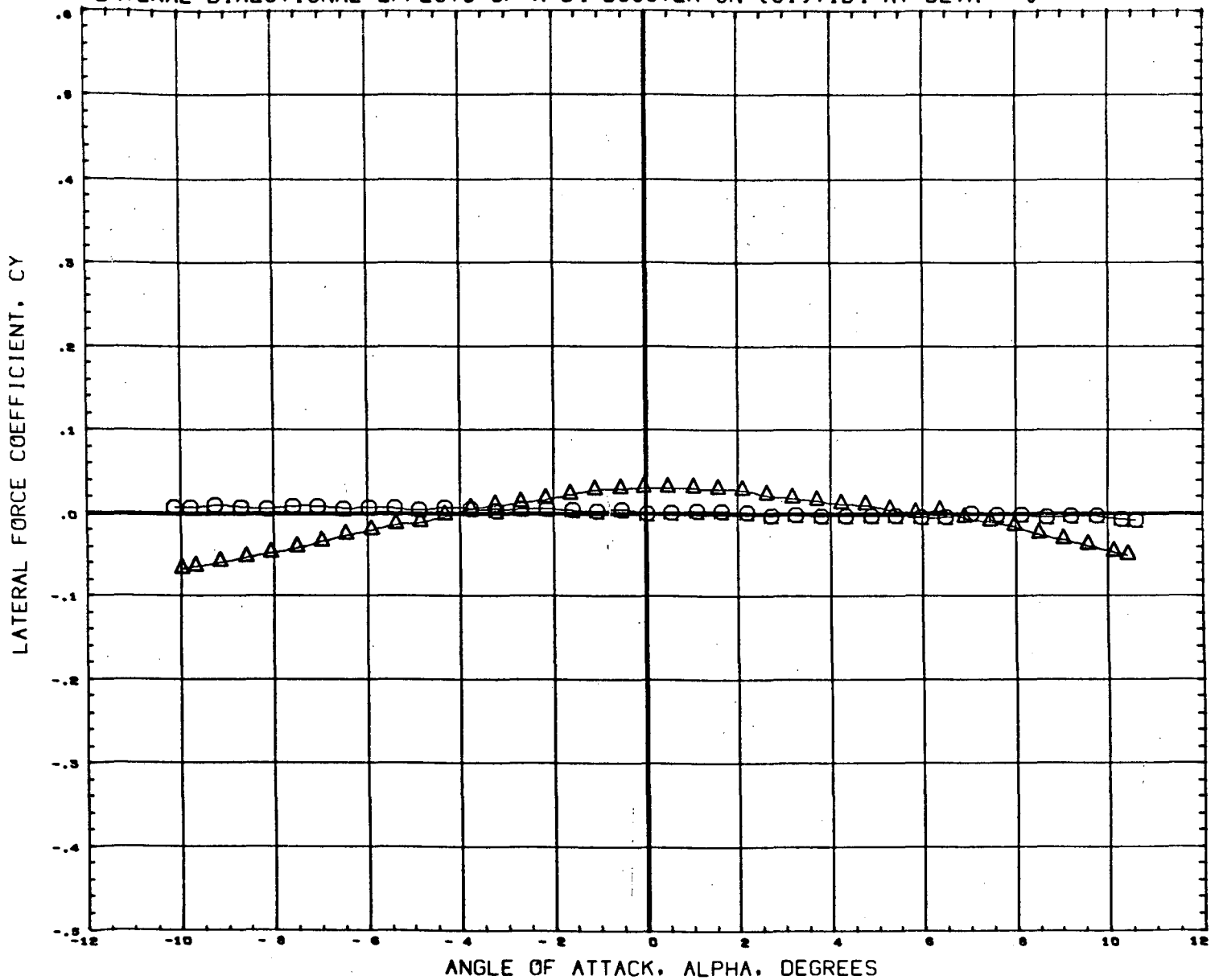
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RD7421) ○ MDAC S-222 COMPOSITE(T-CG) (01)T1B4  
 (RD7425) △ DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (RD7422) ◇ MDAC S-222 COMPOSITE(T-CG) (01)T1B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
0.000	0.000	0.000	0.000	BREF	862.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51



# LATERAL-DIRECTIONAL EFFECTS OF A B4 BOOSTER ON (O1)T1B4 AT BETA = 0

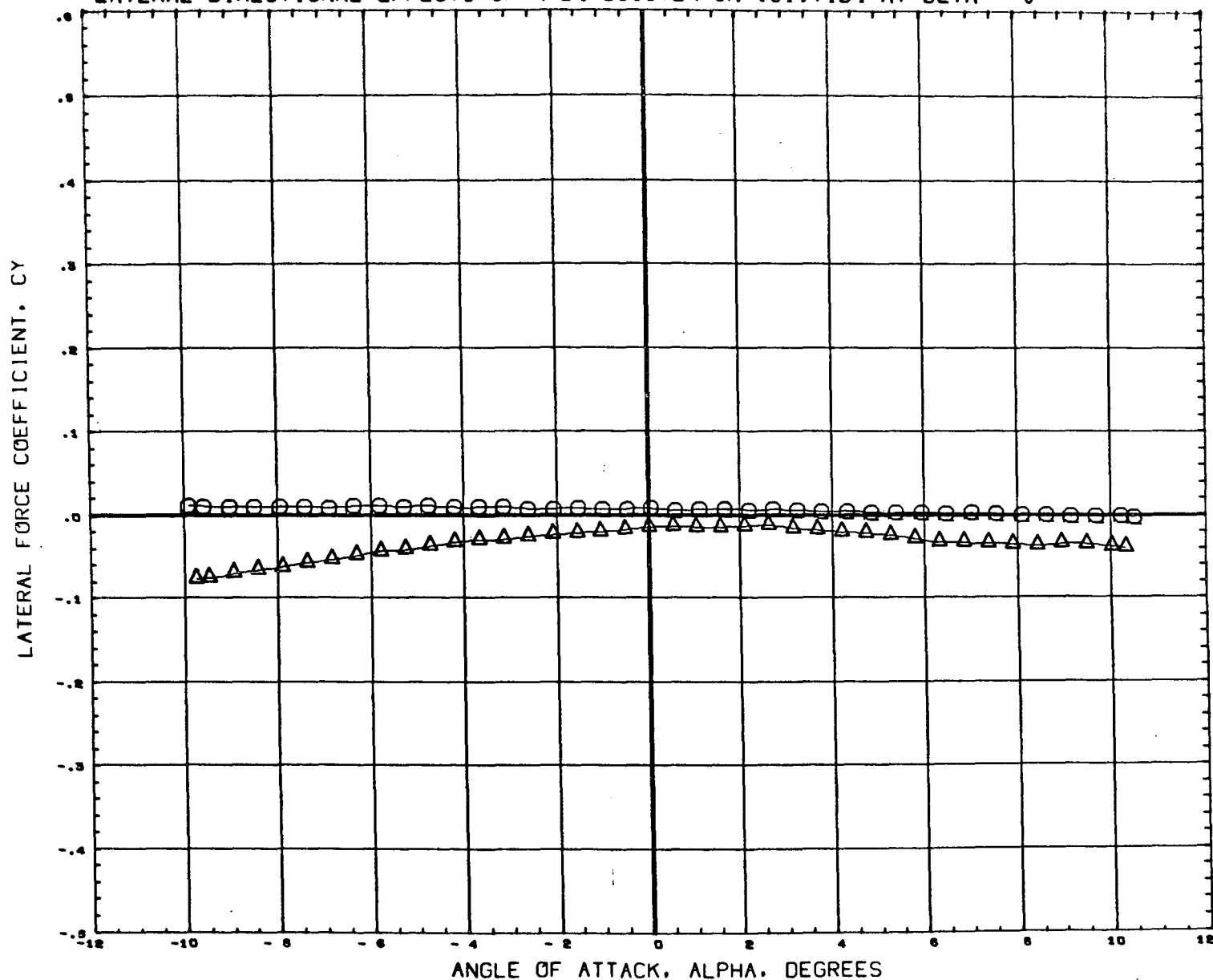


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7421)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7423)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	937.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 663

# LATERAL-DIRECTIONAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0

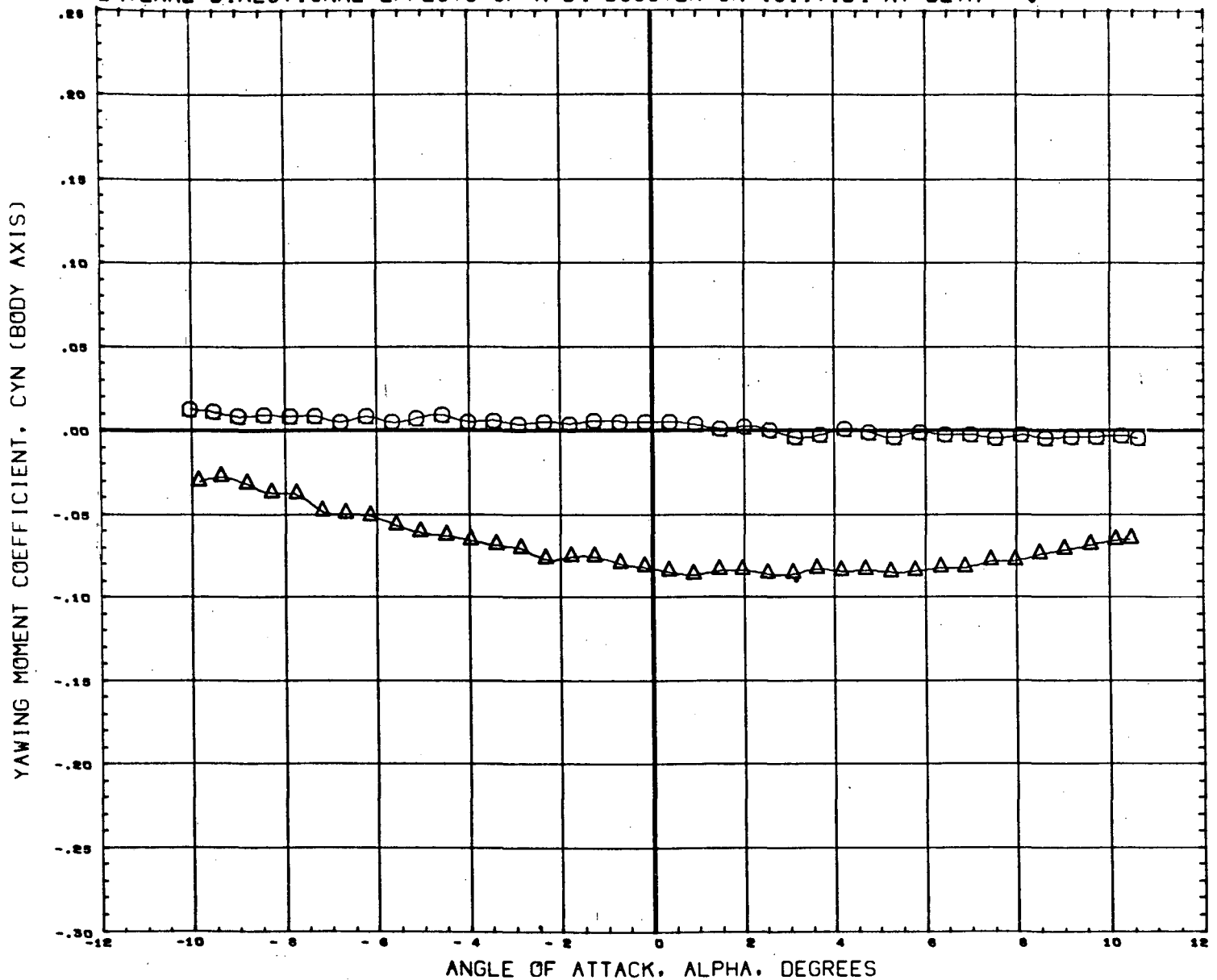


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(RD7421)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(RD7425)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004	IN.
(RD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	882.0004	IN.
						XMRP	997.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH 4.47

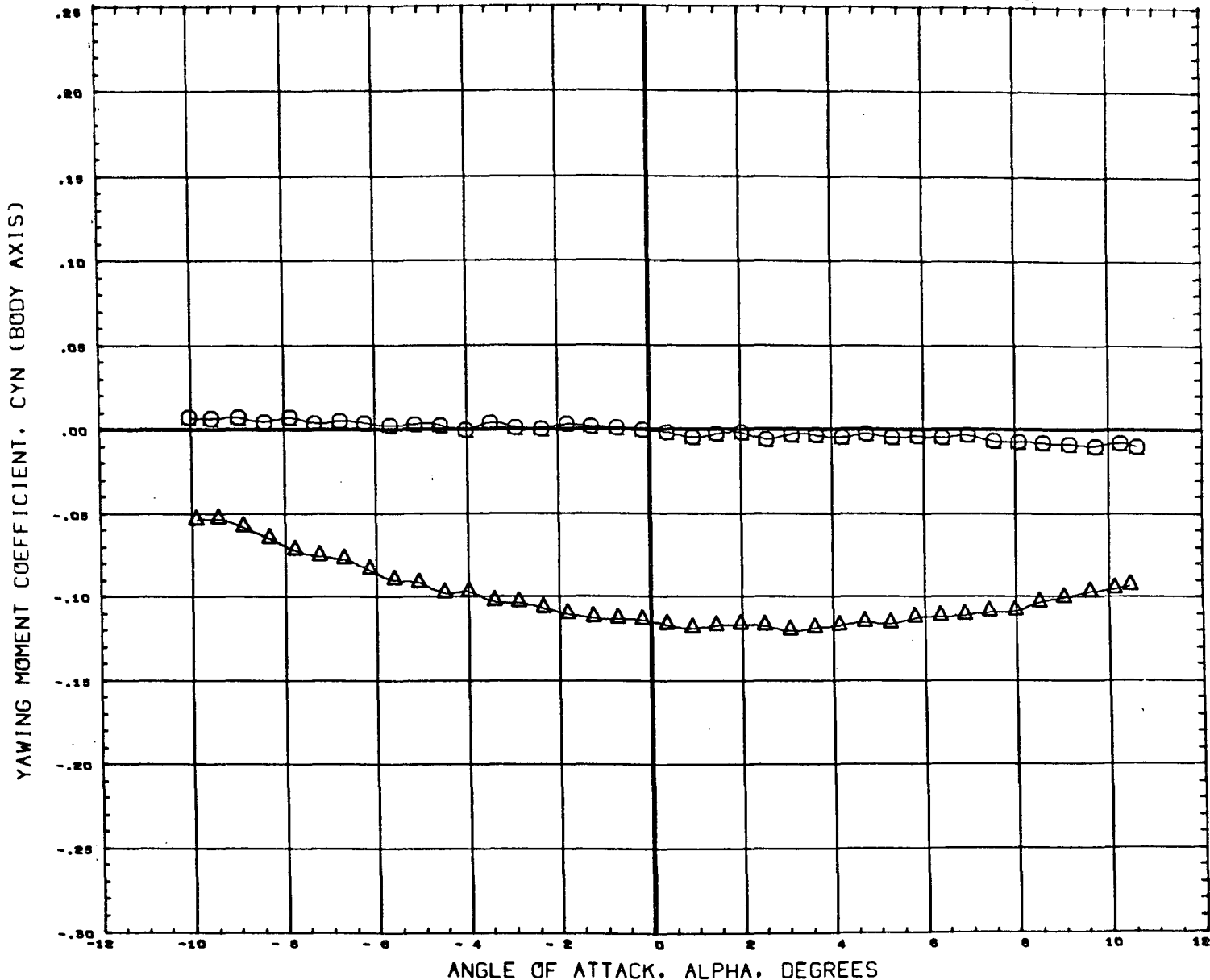
PAGE 664

# LATERAL-DIRECTIONAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7421)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7422)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	662.0004 IN.
						XMPP	537.0004 IN.
						YMPP	0.0000 IN.
						ZMPP	200.0004 IN.
						SCALE	0.0060

# LATERAL-DIRECTIONAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0

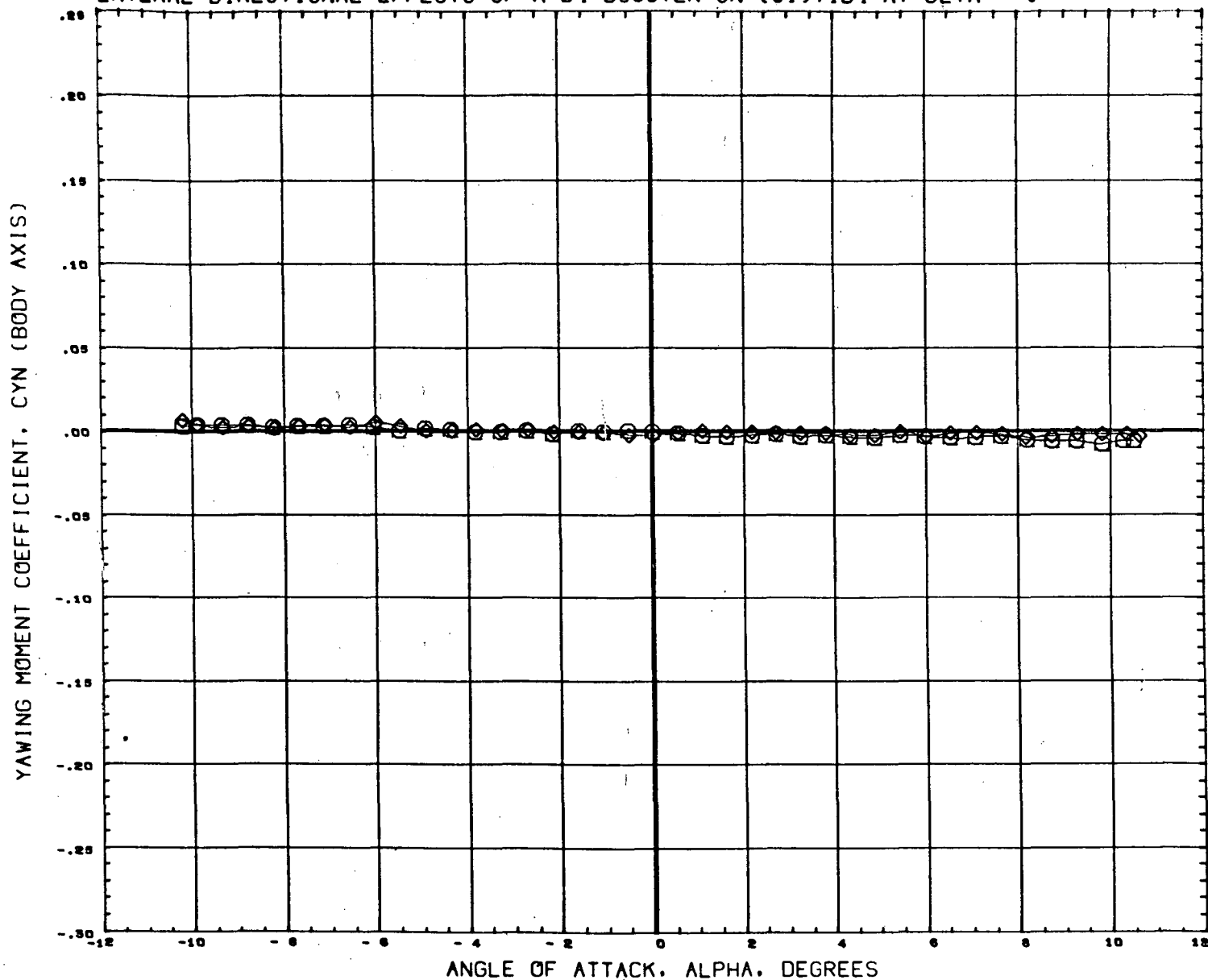


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7421)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7425)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	662.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

PAGE 666

# LATERAL-DIRECTIONAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RD7421)  $\bigcirc$  MDAC S-222 COMPOSITE (T-C6) (01)T1B4  
 (RD7425)  $\triangle$  DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (RD7422)  $\diamond$  MDAC S-222 COMPOSITE (T-C6) (01)T1B4

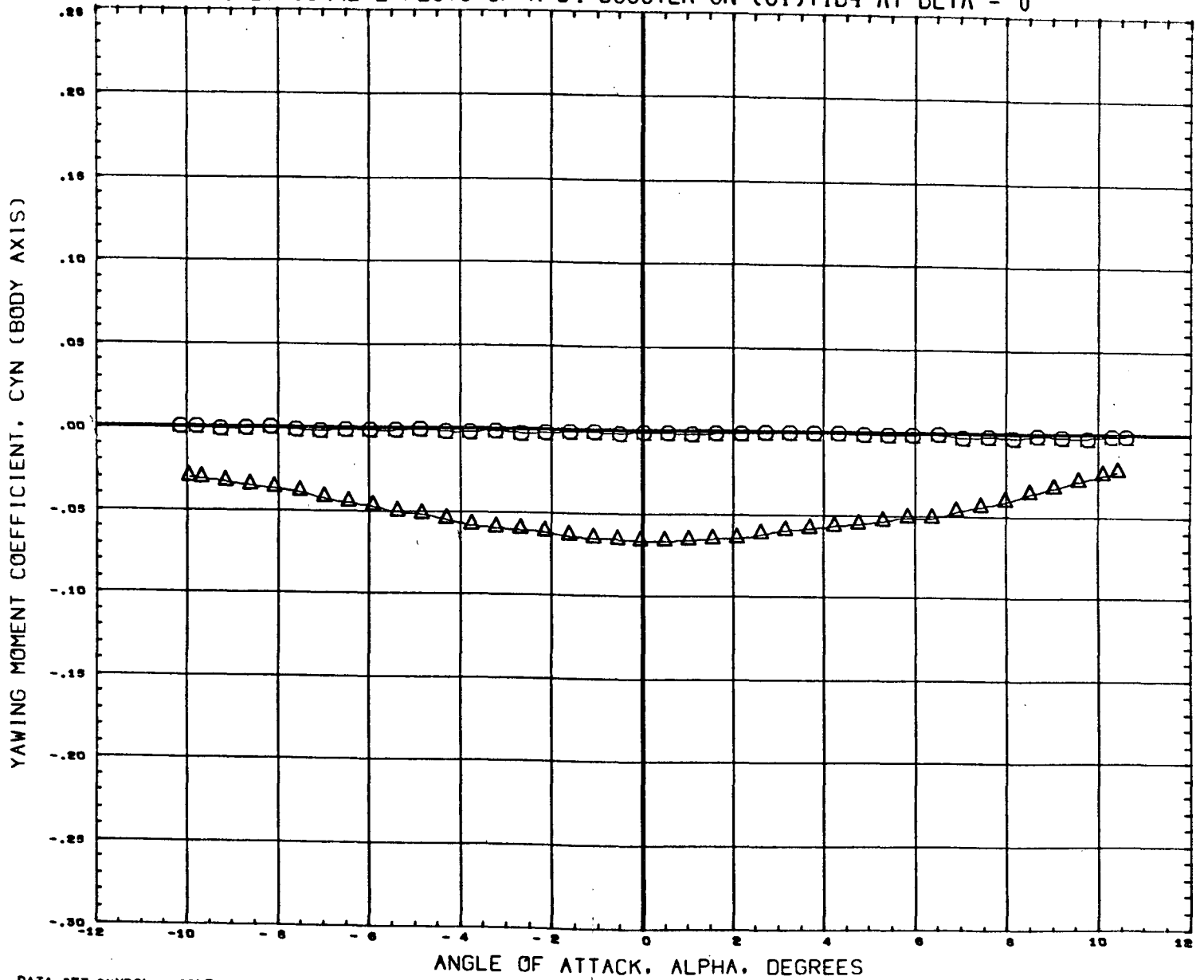
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3195.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
0.000	0.000	0.000	0.000	BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH

1.51

PAGE 667

# LATERAL-DIRECTIONAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0



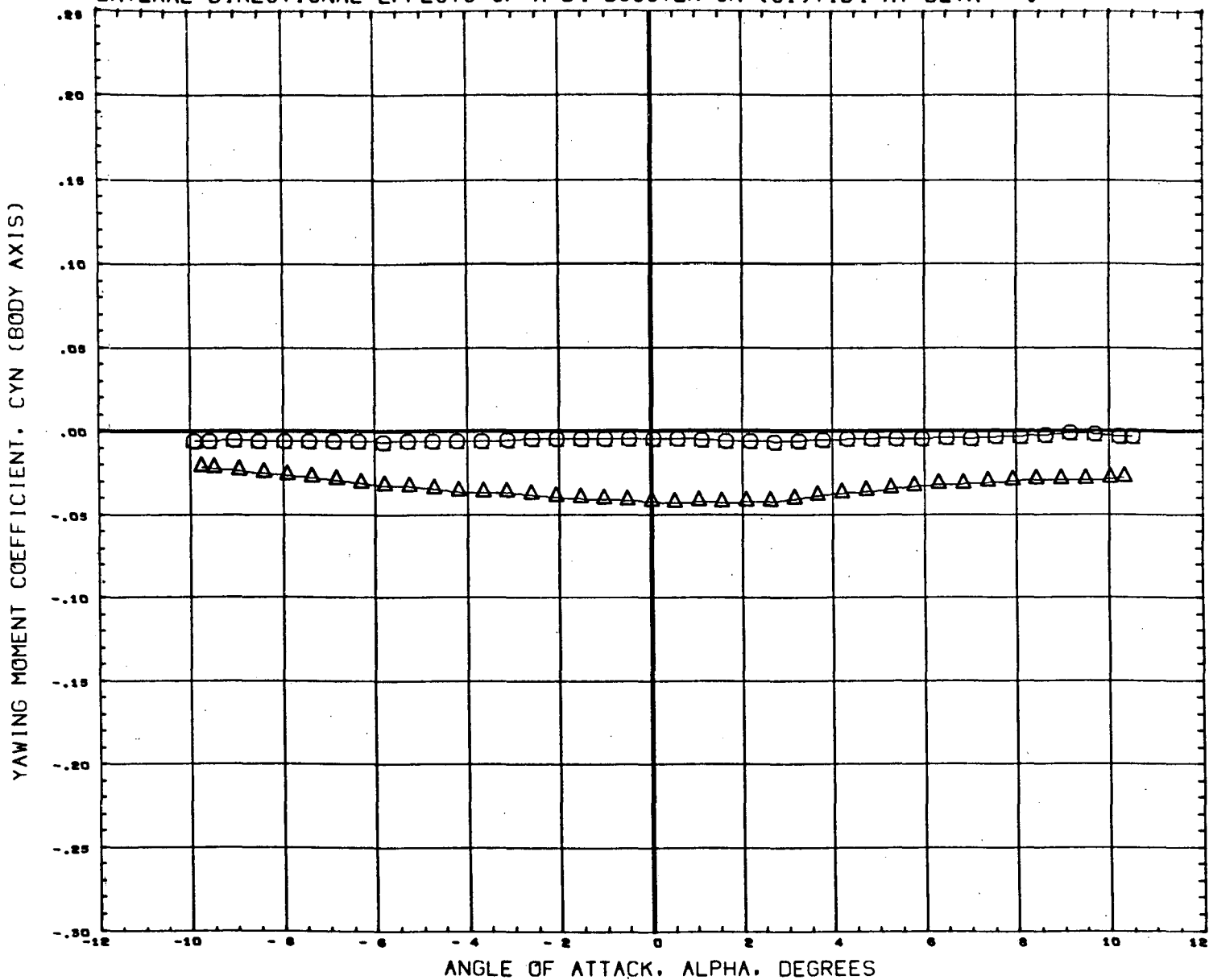
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RD7421)  $\square$  MDAC S-222 COMPOSITE (T-CG) (01)T1B4  
 (RD7422)  $\triangle$  MDAC S-222 COMPOSITE (T-CG) (01)T1B4L (B4R)  
 (RD7422)  $\diamond$  DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
0.000	0.000	0.000	0.000	BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

PAGE 668

# LATERAL-DIRECTIONAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0

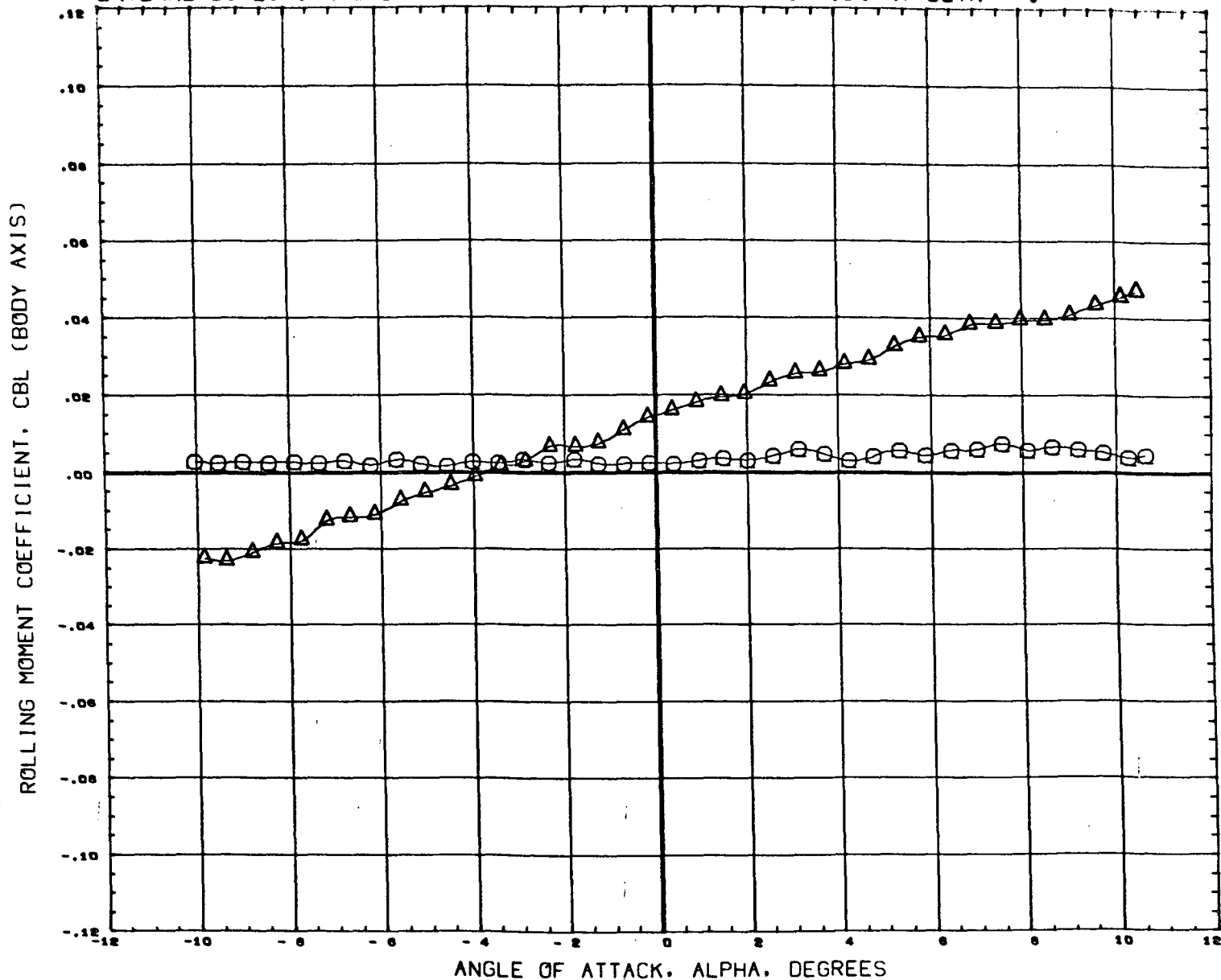


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7421)	MDAC S-222 COMPOSITE(T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7423)	MDAC S-222 COMPOSITE(T-CG) (01)T1B4L(B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	862.0004 IN.
						XMRP	937.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 669

# LATERAL-DIRECTIONAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0



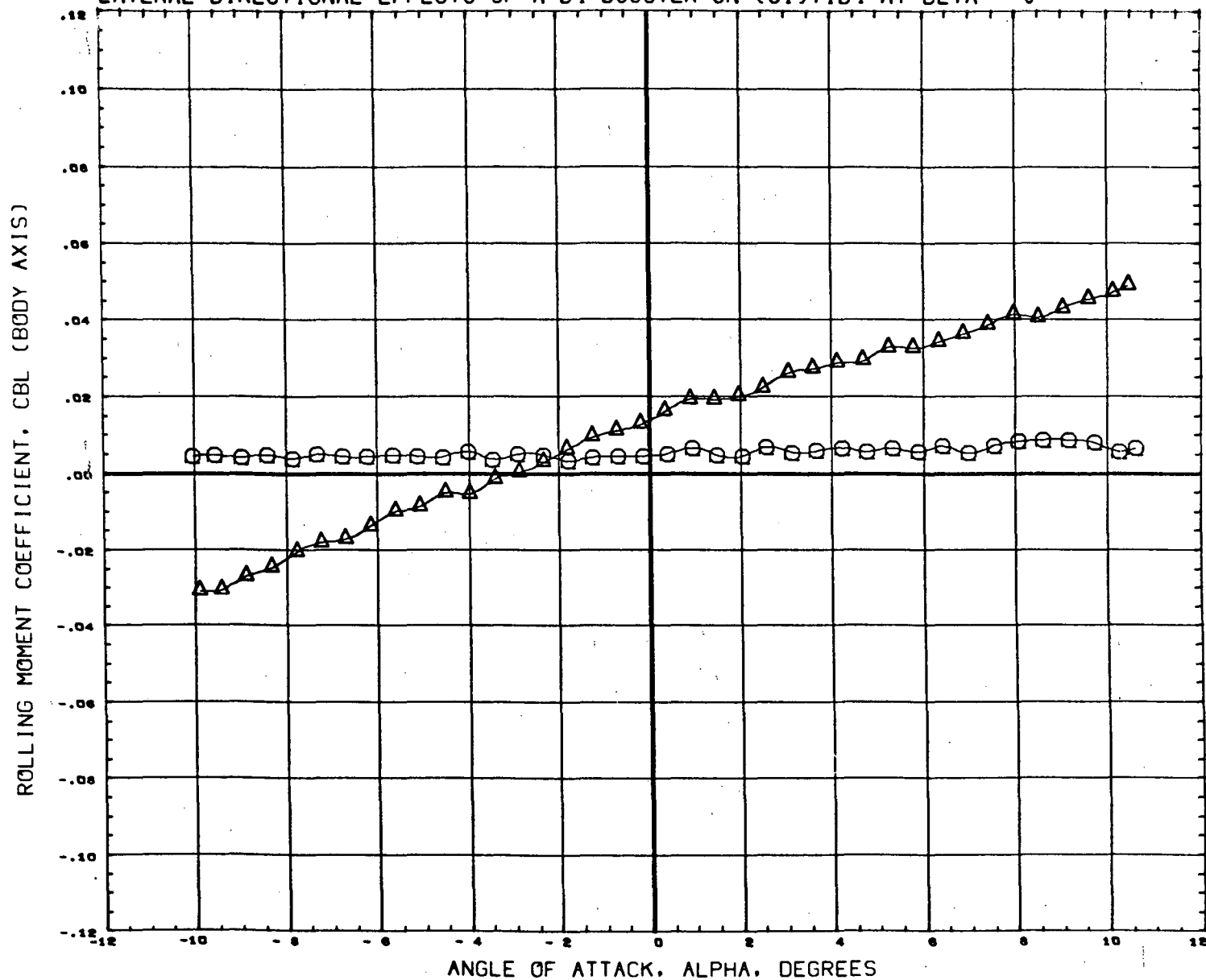
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7421)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7425)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 670



# LATERAL-DIRECTIONAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0

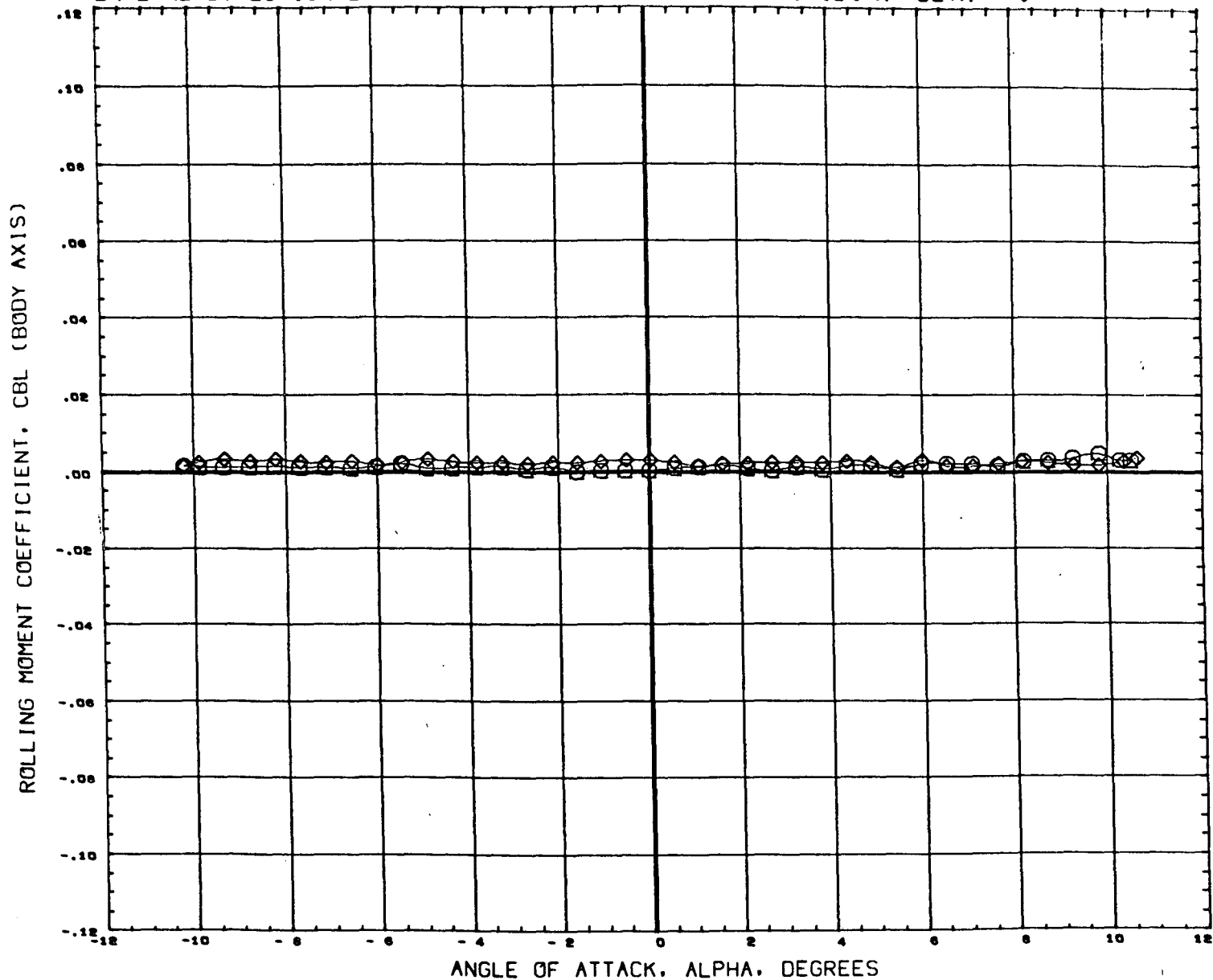


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7421)	MDAC S-222 COMPOSITE(T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7423)	MDAC S-222 COMPOSITE(T-CG) (01)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

PAGE 671

# LATERAL-DIRECTIONAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0



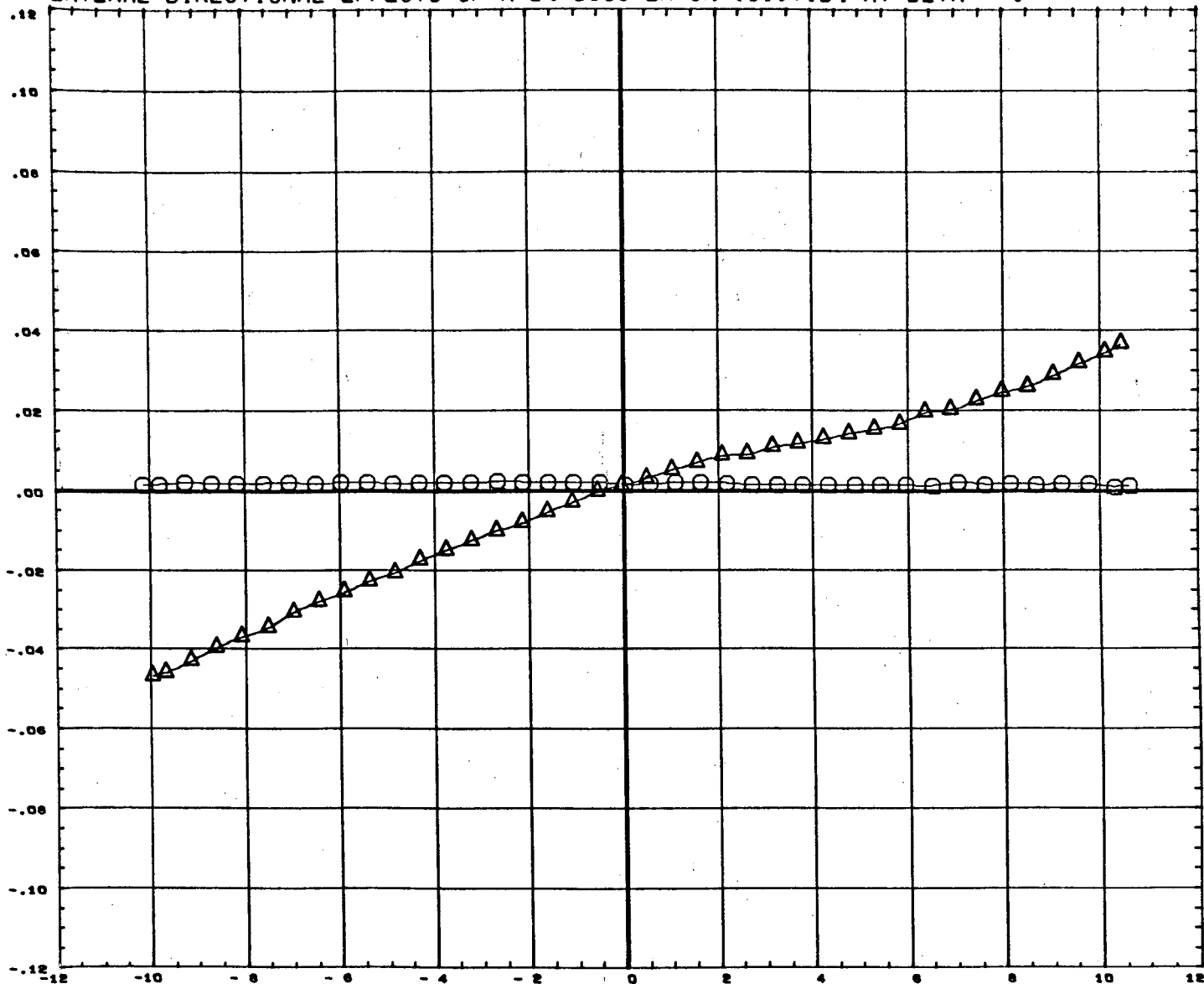
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7421)	MDAC S-222 COMPOSITE(T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7423)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7422)	MDAC S-222 COMPOSITE(T-CG) (01)T1B4	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

PAGE 672

# LATERAL-DIRECTIONAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



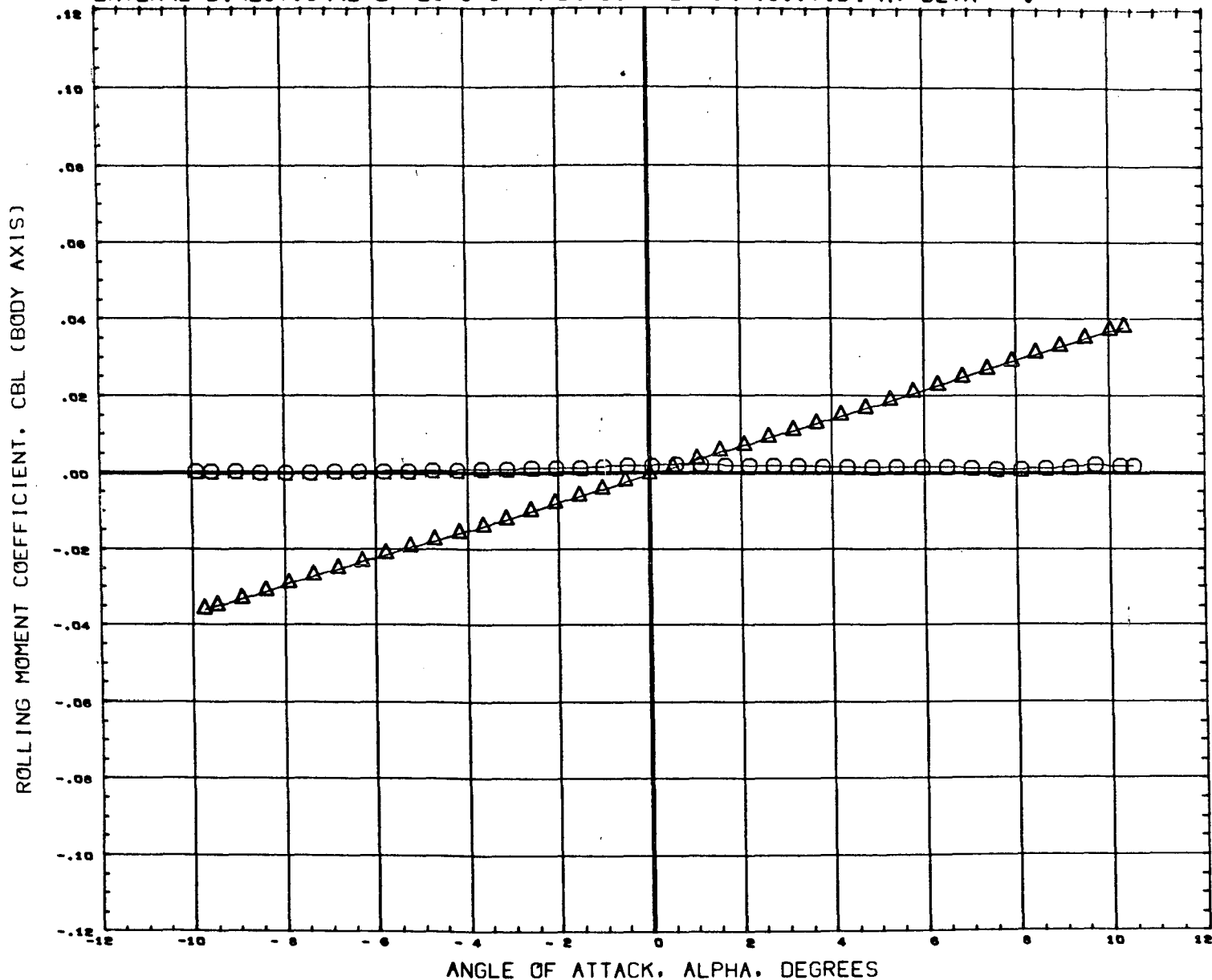
ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7421)	MDAC S-222 COMPOSITE(T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7425)	MDAC S-222 COMPOSITE(T-CG) (01)T1B4L(B4R)	0.000	0.000	0.000	0.000	LREF	609.3004 IN.
(RD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 673

# LATERAL-DIRECTIONAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 0

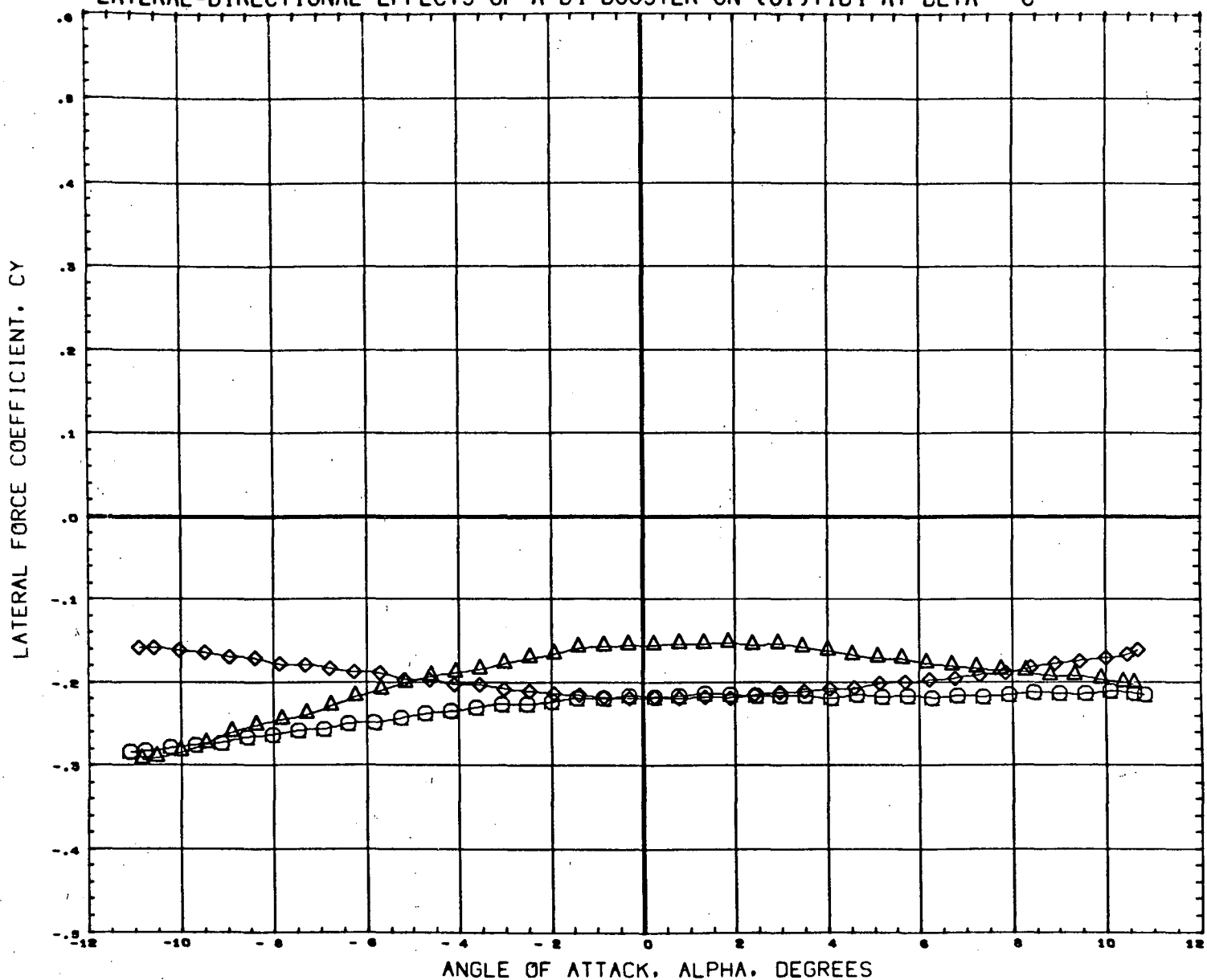


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7421)	MDAC S-222 COMPOSITE (T-C6) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7423)	MDAC S-222 COMPOSITE (T-C6) (01)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7422)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	BREF	682.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 674

# LATERAL-DIRECTIONAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 6

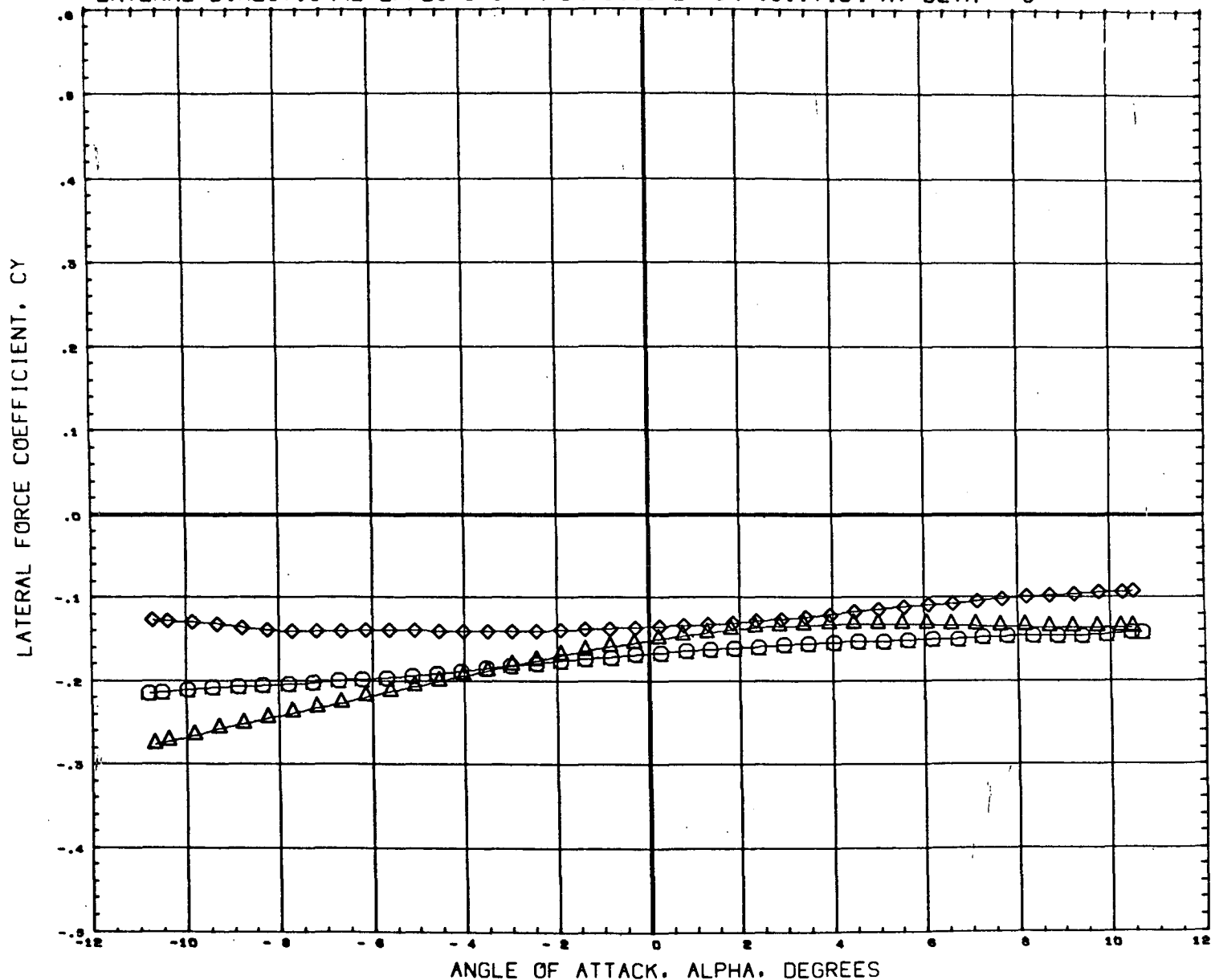


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7424)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7426)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4L (B4R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7428)	MDAC S-222 COMPOSITE (T-CG) (01)T1 (B4L) B4R	6.000	0.000	0.000	0.000	BREF	662.0004 IN.
						XMRP	957.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 675

# LATERAL-DIRECTIONAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 6

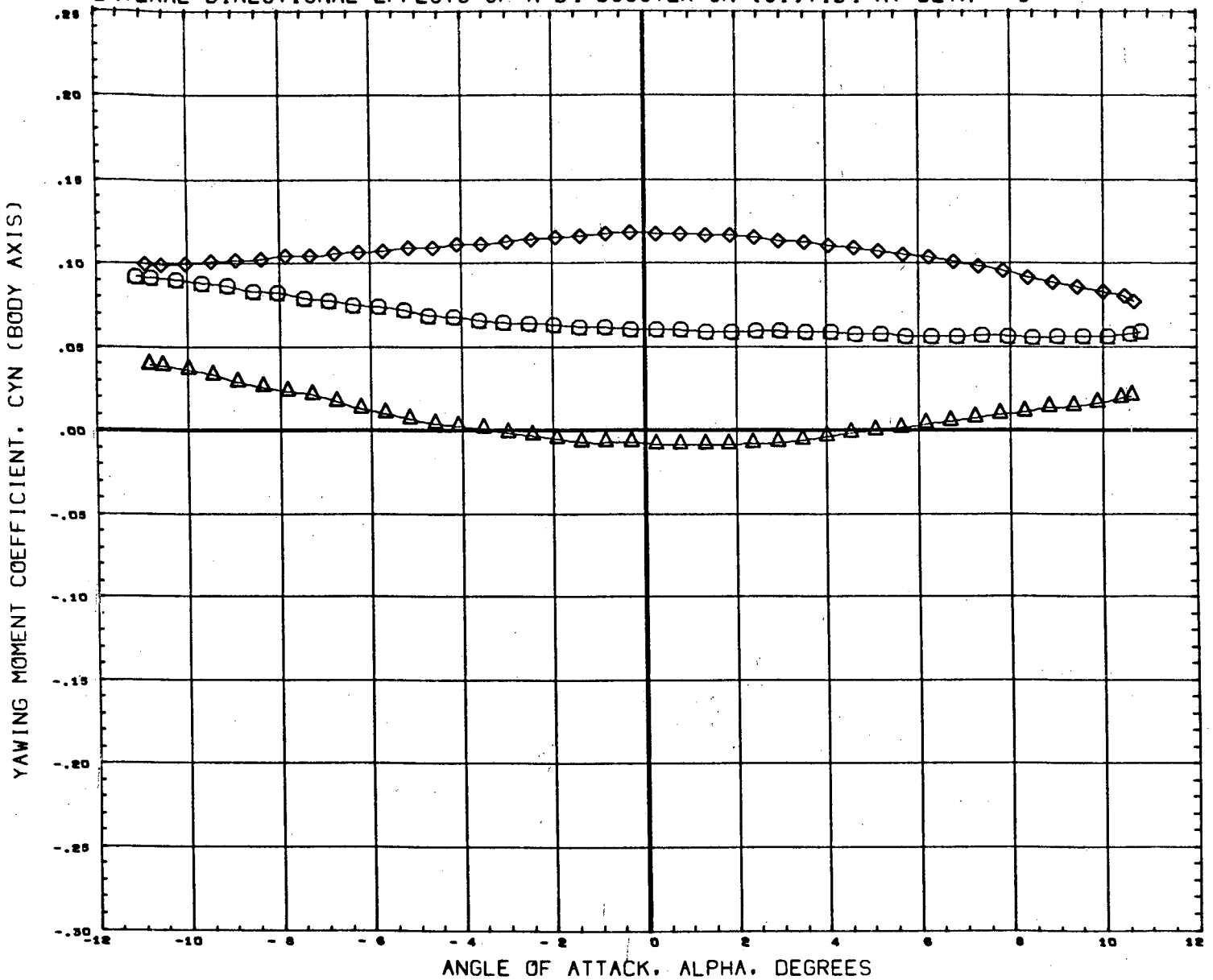


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7424)	MDAC S-222 COMPOSITE (T-CG) (01) T1B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7426)	MDAC S-222 COMPOSITE (T-CG) (01) T1B4L (B4R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7428)	MDAC S-222 COMPOSITE (T-CG) (01) T1 (B4L)B4R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 676

# LATERAL-DIRECTIONAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 6

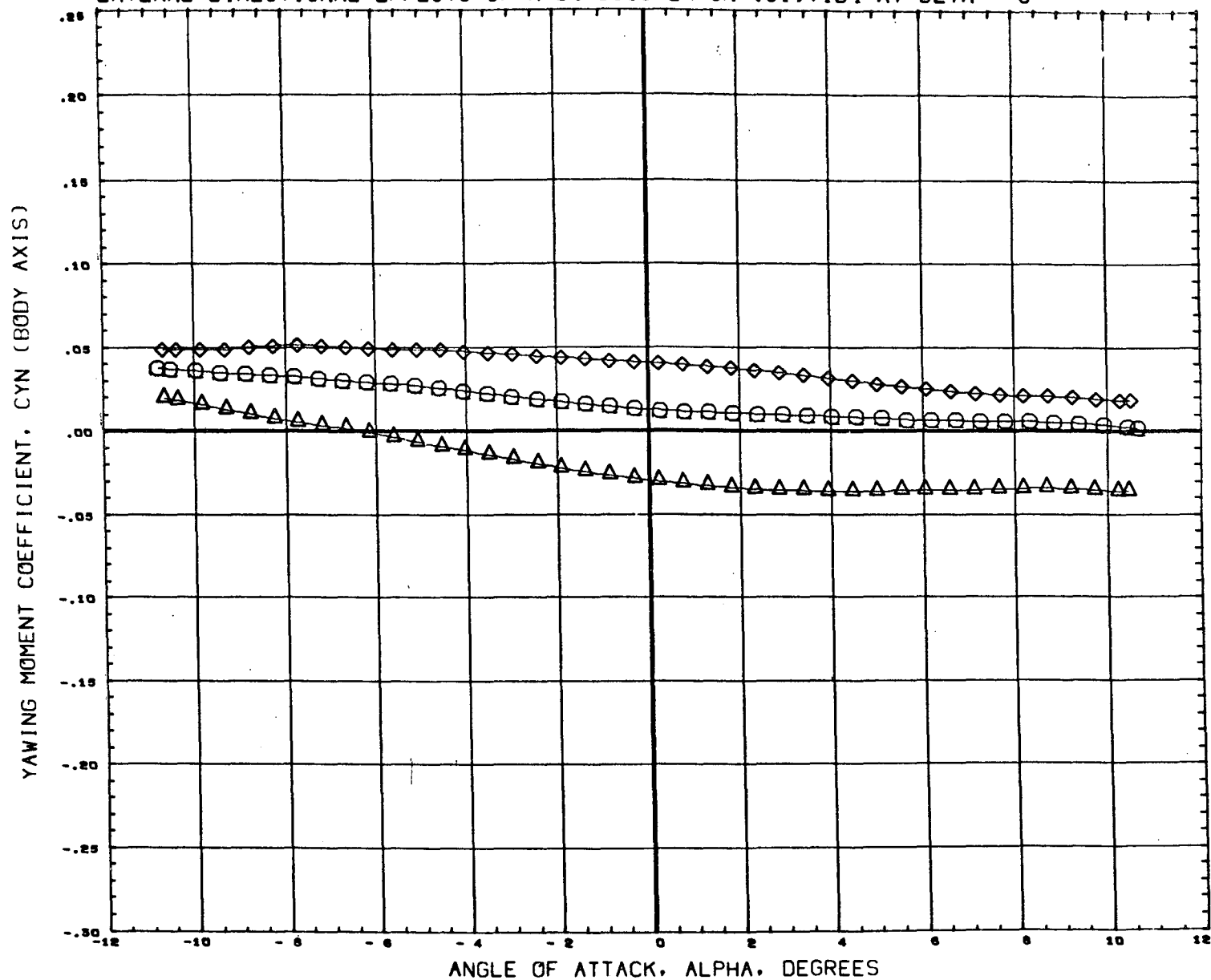


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7424)	MDAC S-222 COMPOSITE (T-CG) (01) T1B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7426)	MDAC S-222 COMPOSITE (T-CG) (01) T1B4L (B4R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7428)	MDAC S-222 COMPOSITE (T-CG) (01) T1 (B4L) B4R	6.000	0.000	0.000	0.000	BREF	662.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 677

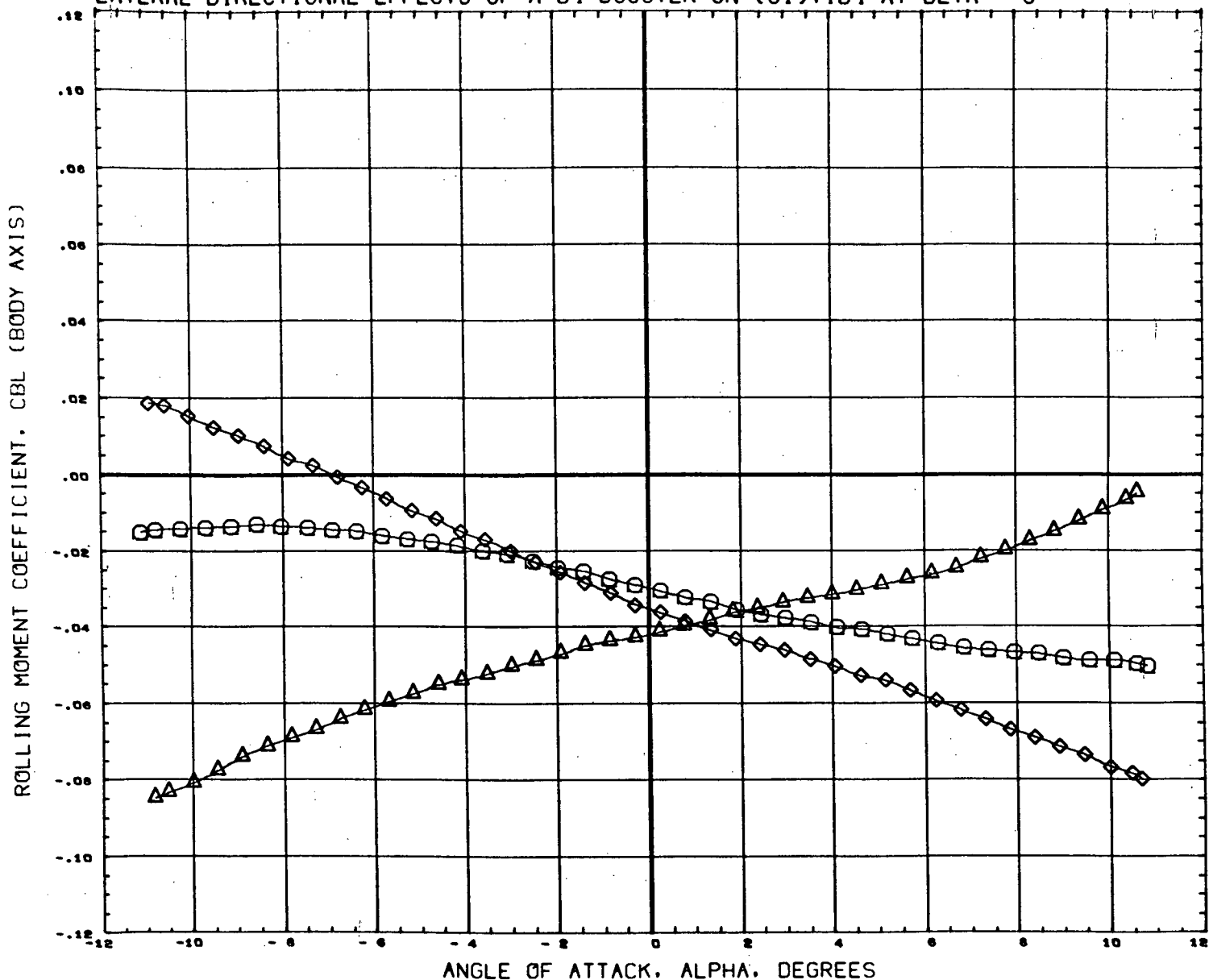
# LATERAL-DIRECTIONAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	ATLRON	RUDDER	REFERENCE INFORMATION	
(RD7424)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7426)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4L(B4R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7428)	MDAC S-222 COMPOSITE (T-CG) (01)T1(B4L)B4R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060



# LATERAL-DIRECTIONAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 6

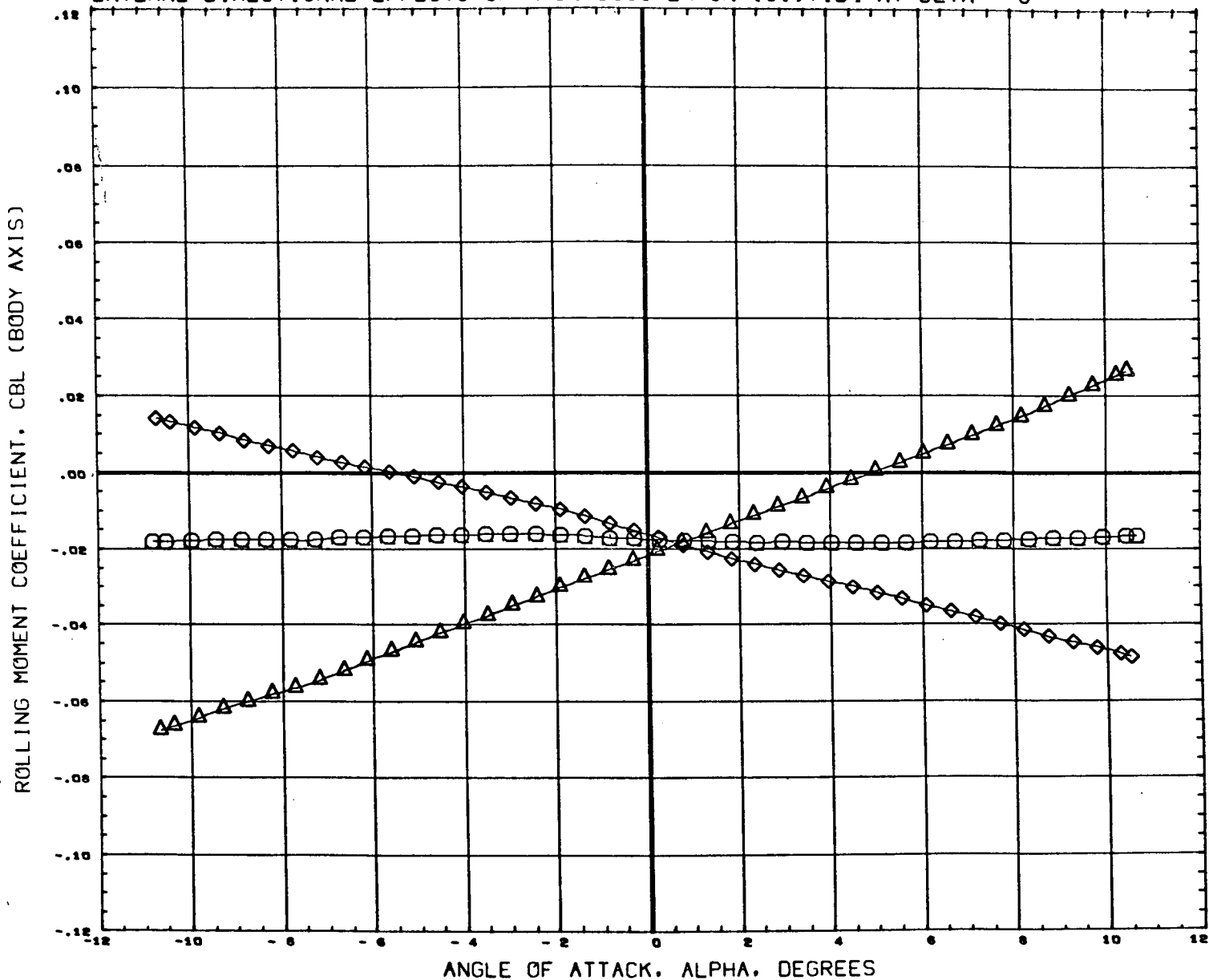


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7424)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7426)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4L(B4R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7428)	MDAC S-222 COMPOSITE (T-CG) (01)T1(B4L)B4R	6.000	0.000	0.000	0.000	BREF	662.0004 IN.
						XMRP	957.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 679

# LATERAL-DIRECTIONAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 AT BETA = 6

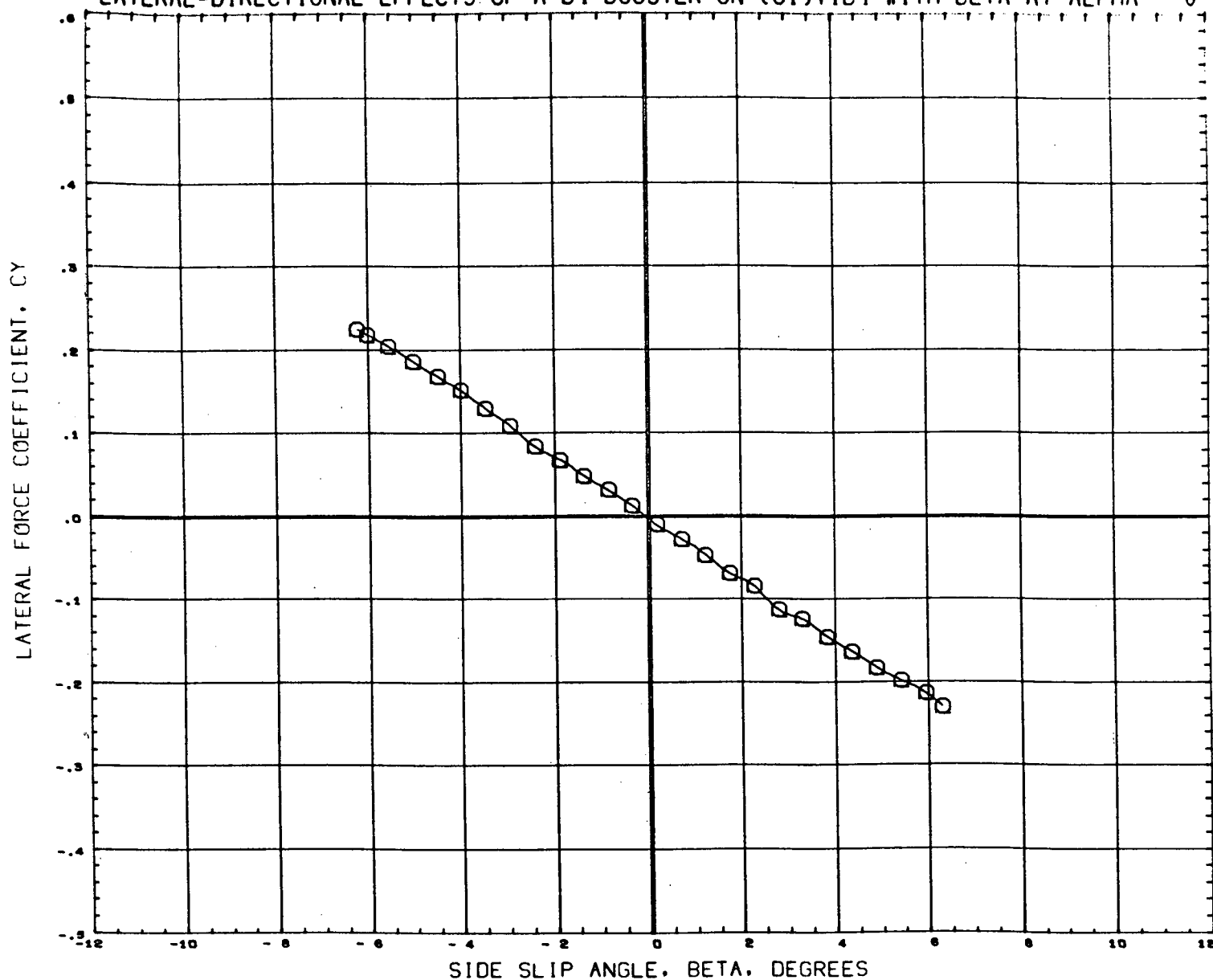


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7424)	MDAC S-222 COMPOSITE(T-CG) (01)T1B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7426)	MDAC S-222 COMPOSITE(T-CG) (01)T1B4L(B4R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7428)	MDAC S-222 COMPOSITE(T-CG) (01)T1(B4L)B4R	6.000	0.000	0.000	0.000	BREF	662.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 680

# LATERAL-DIRECTIONAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 WITH BETA AT ALPHA = 0



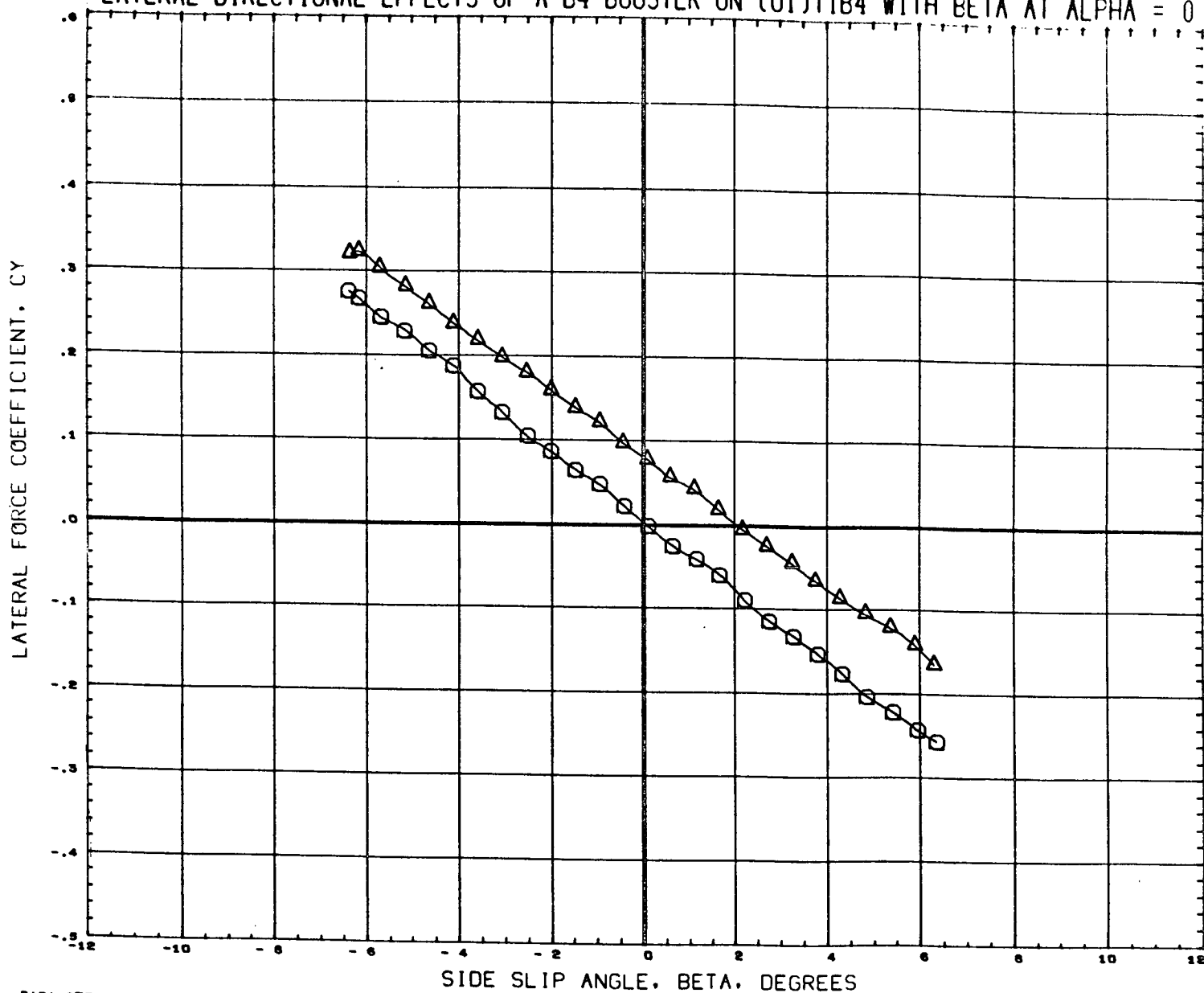
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
(RD7423)    MDAC S-222 COMPOSITE (T-CG) (01)T1B4  
(RD7427)    DATA NOT AVAILABLE FOR ALL CONDITIONS

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .59

PAGE 681

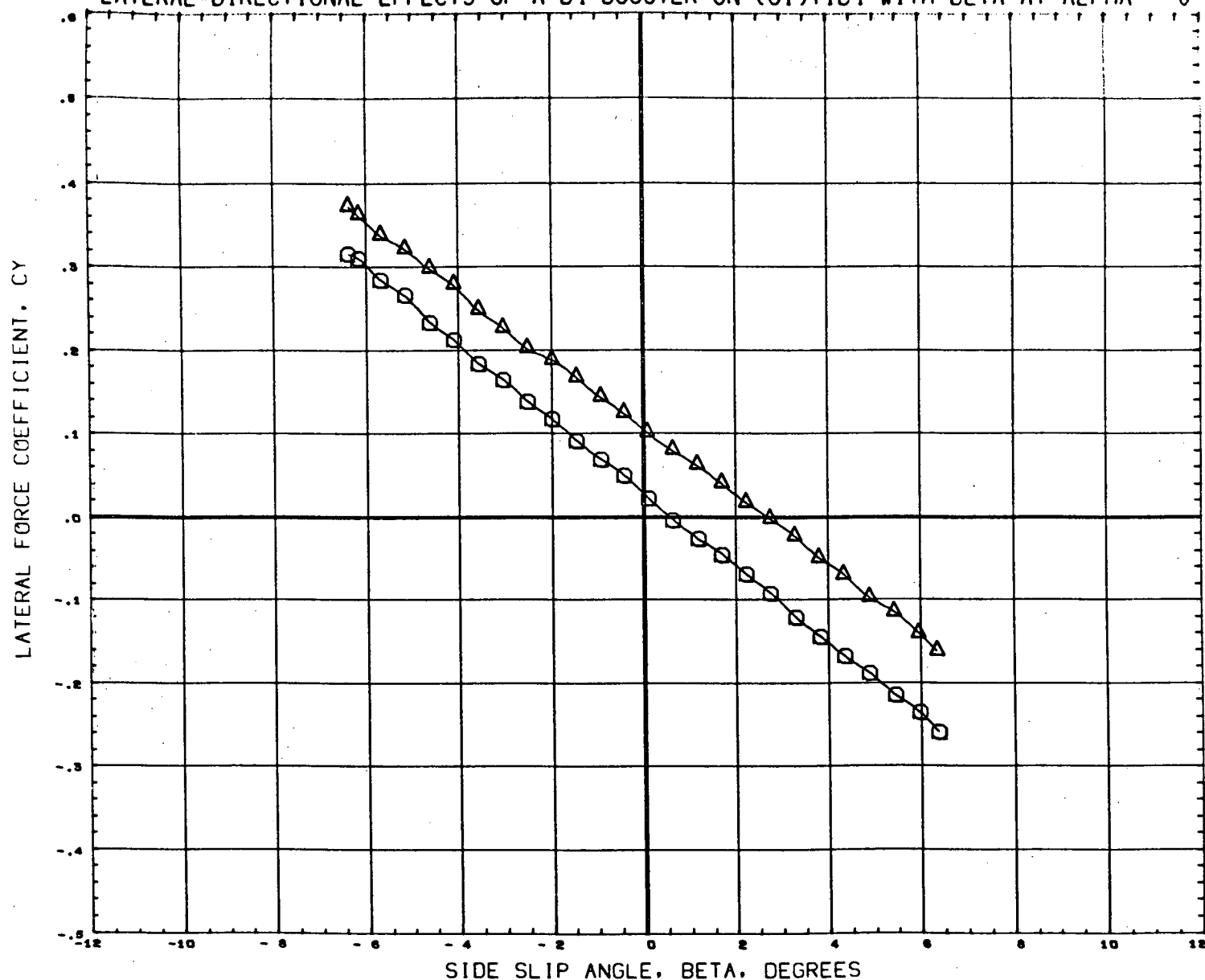
# LATERAL-DIRECTIONAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 WITH BETA AT ALPHA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7423)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7427)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.3004 IN.
						BREF	662.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

# LATERAL-DIRECTIONAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 WITH BETA AT ALPHA = 0

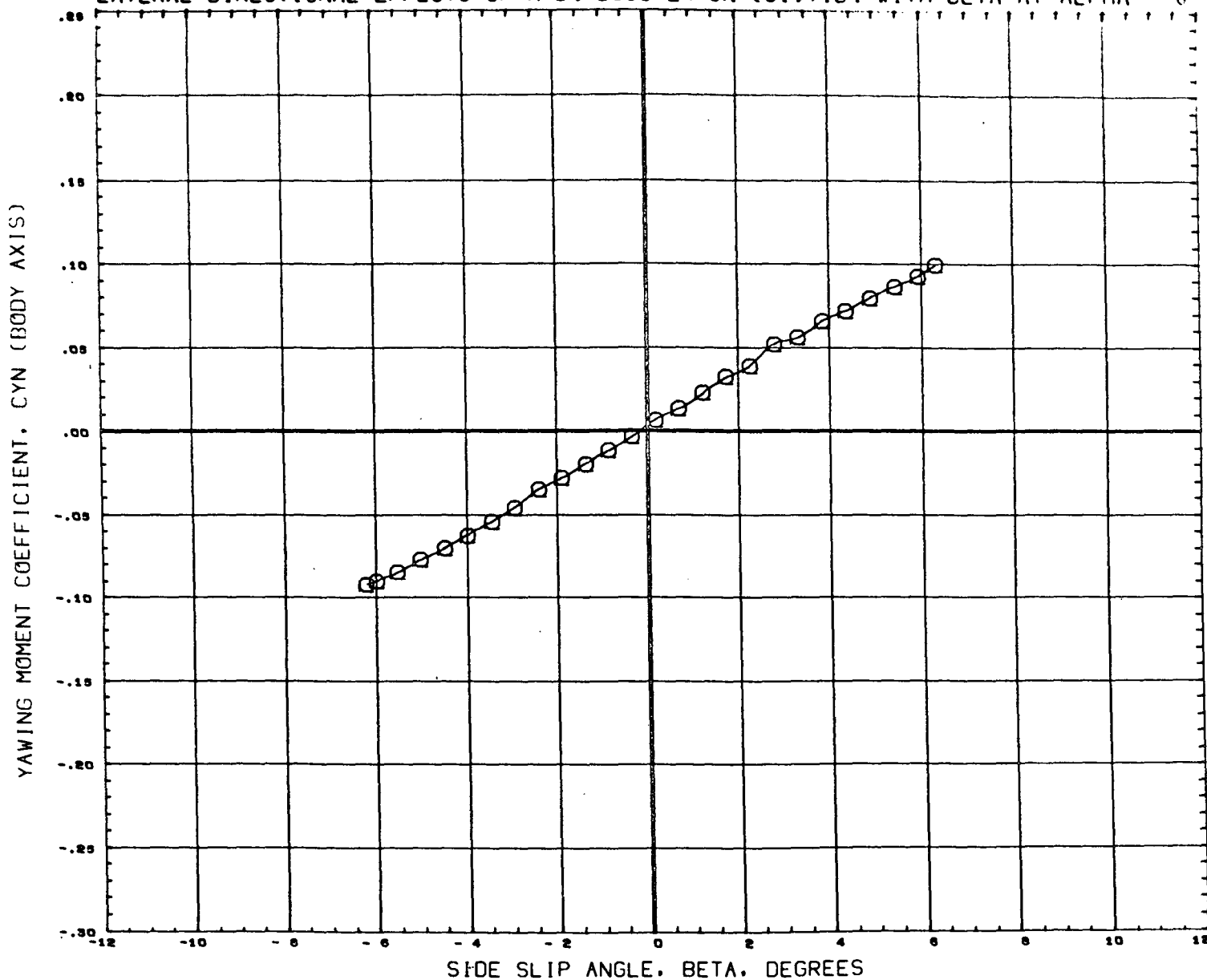


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7423)	MDAC S-222 COMPOSITE(T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7427)	MDAC S-222 COMPOSITE(T-CG) (01)T1B4L(B4R)	0.000	0.000	0.000	0.000	LREF	609.9004 IN.
						BREF	882.0004 IN.
						XMRF	957.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0080

MACH 1.09

PAGE 683

# LATERAL-DIRECTIONAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 WITH BETA AT ALPHA = 0



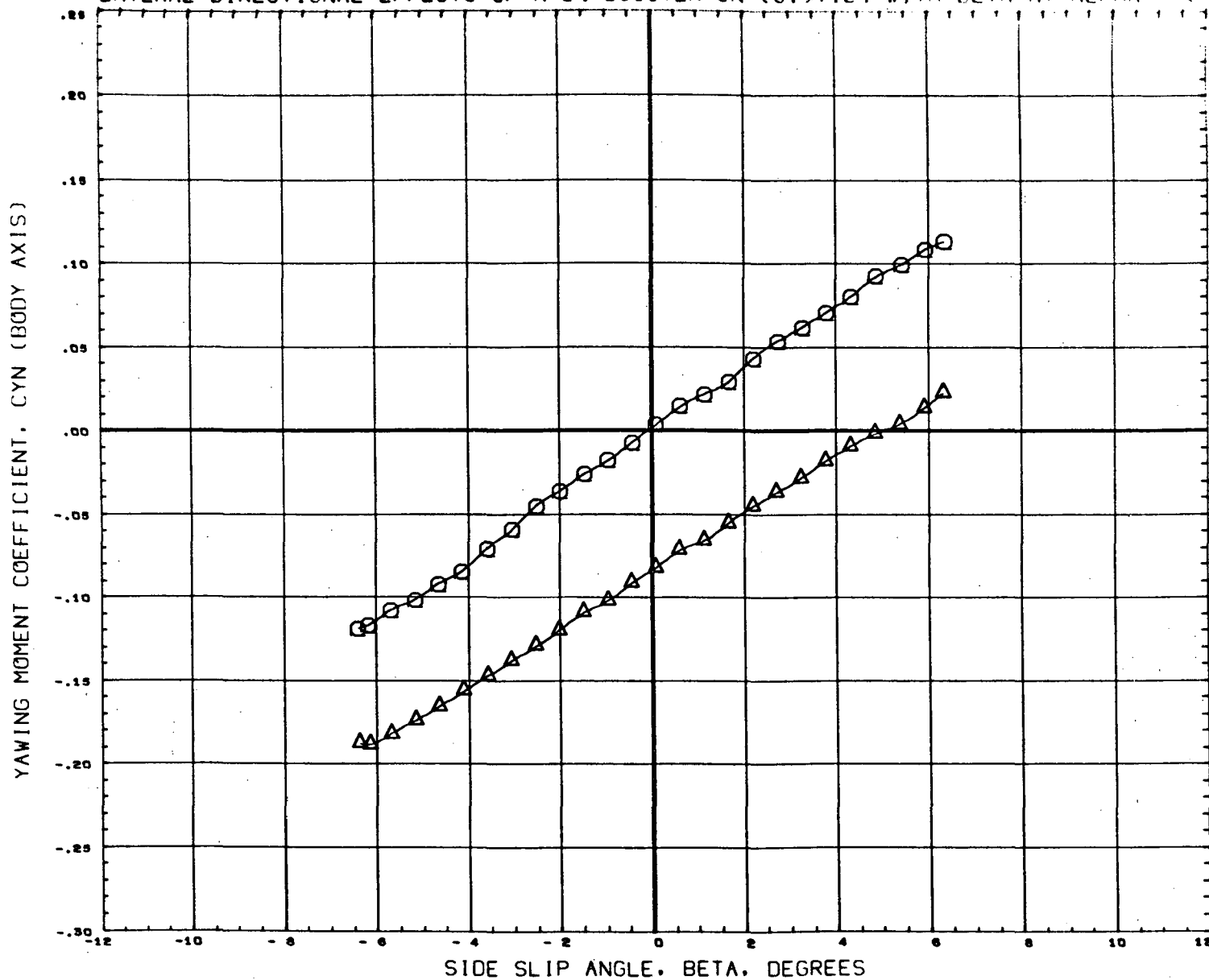
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RD7425)  MDAC S-222 COMPOSITE (T-CG) (01)T1B4  
(RD7427)  DATA NOT AVAILABLE FOR ALL CONDITIONS

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	662.0004 IN.
				YMRP	557.0004 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .59

PAGE 684

# LATERAL-DIRECTIONAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 WITH BETA AT ALPHA = 0

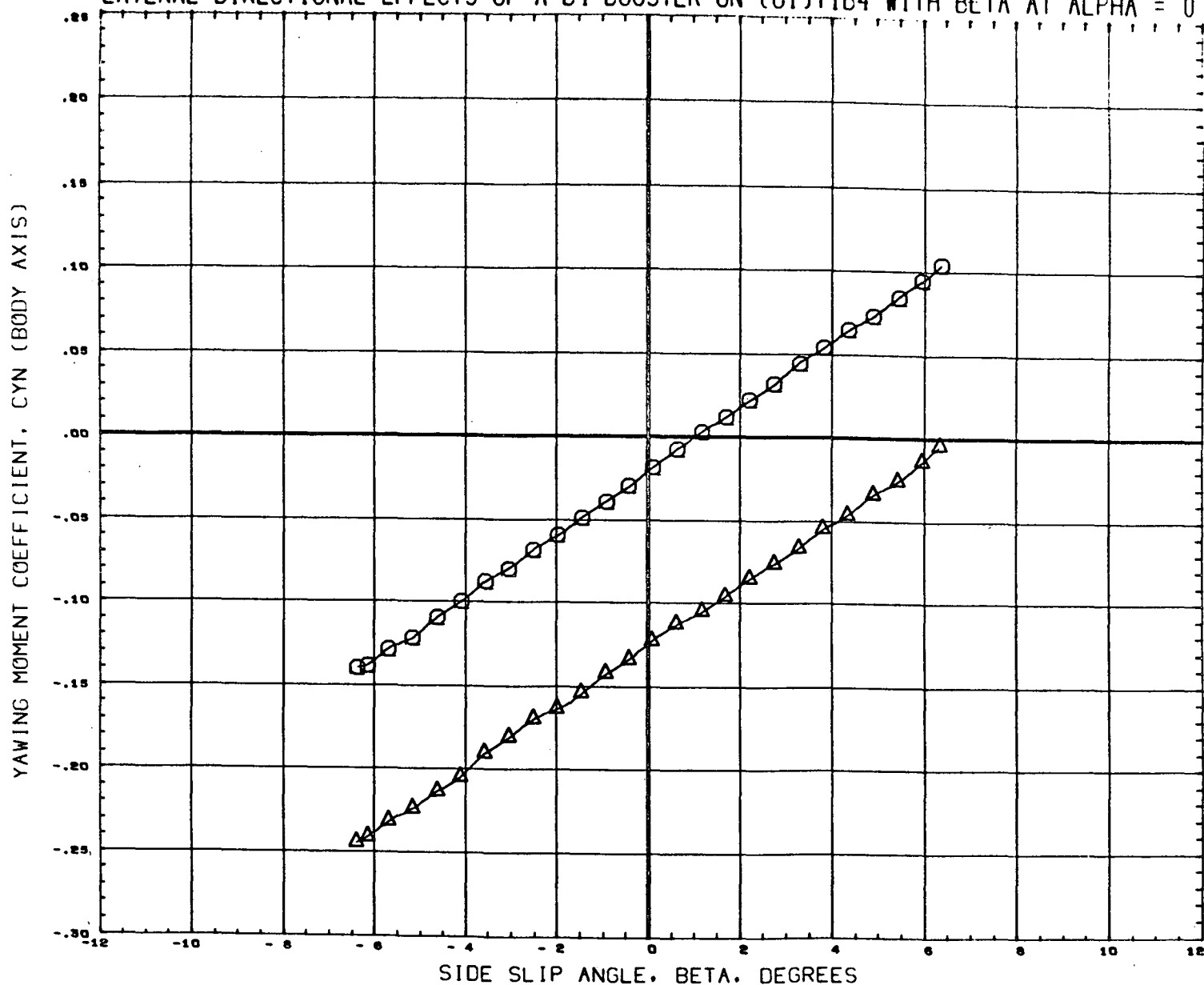


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7423)	MDAC S-222 COMPOSITE (T-CG) (01) T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7427)	MDAC S-222 COMPOSITE (T-CG) (01) T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	809.9004 IN.
						BREF	882.0004 IN.
						XMRP	957.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 685

# LATERAL-DIRECTIONAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 WITH BETA AT ALPHA = 0

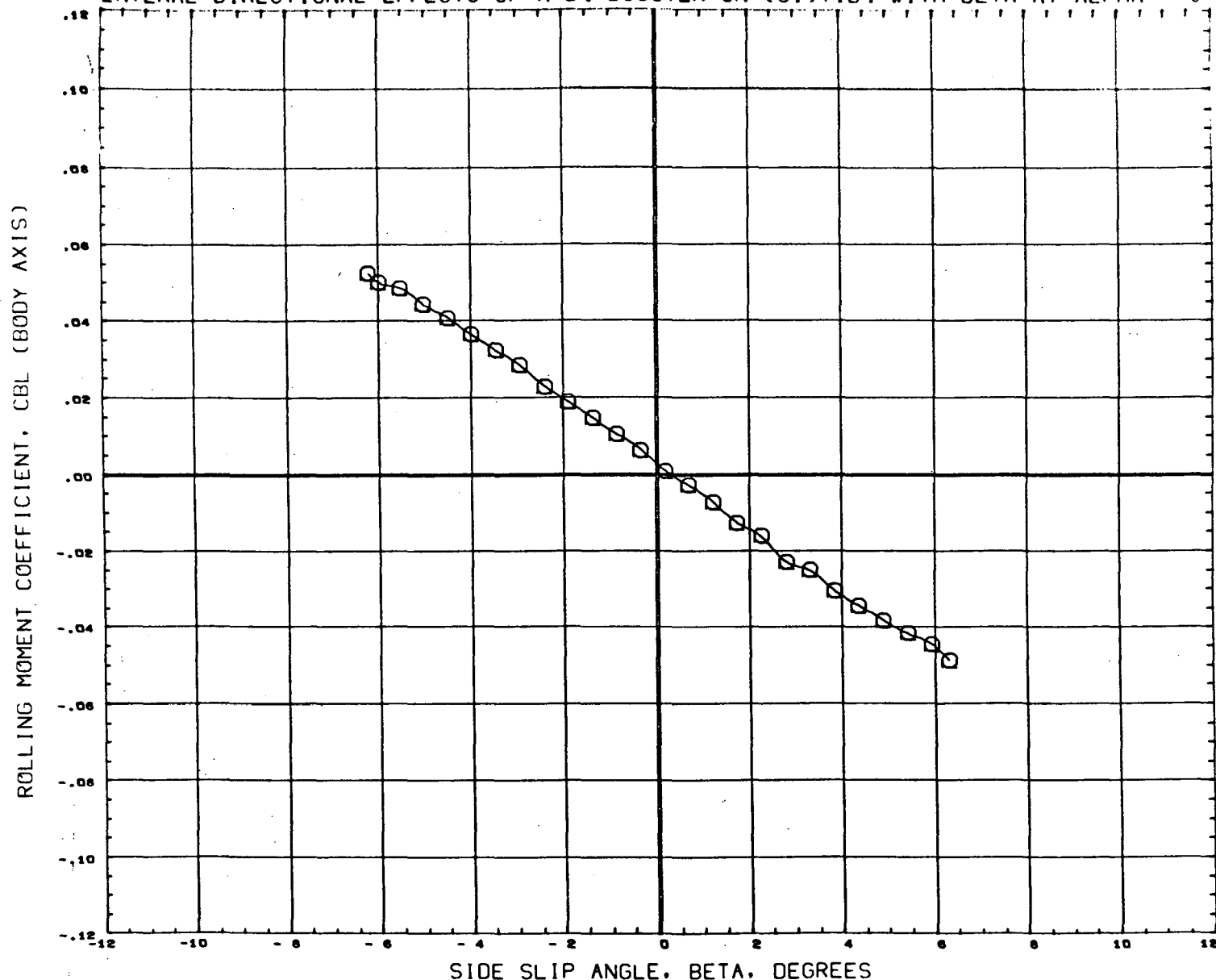


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7423)	MDAC S-222 COMPOSITE(T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7427)	MDAC S-222 COMPOSITE(T-CG) (01)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	662.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09



# LATERAL-DIRECTIONAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 WITH BETA AT ALPHA = 0



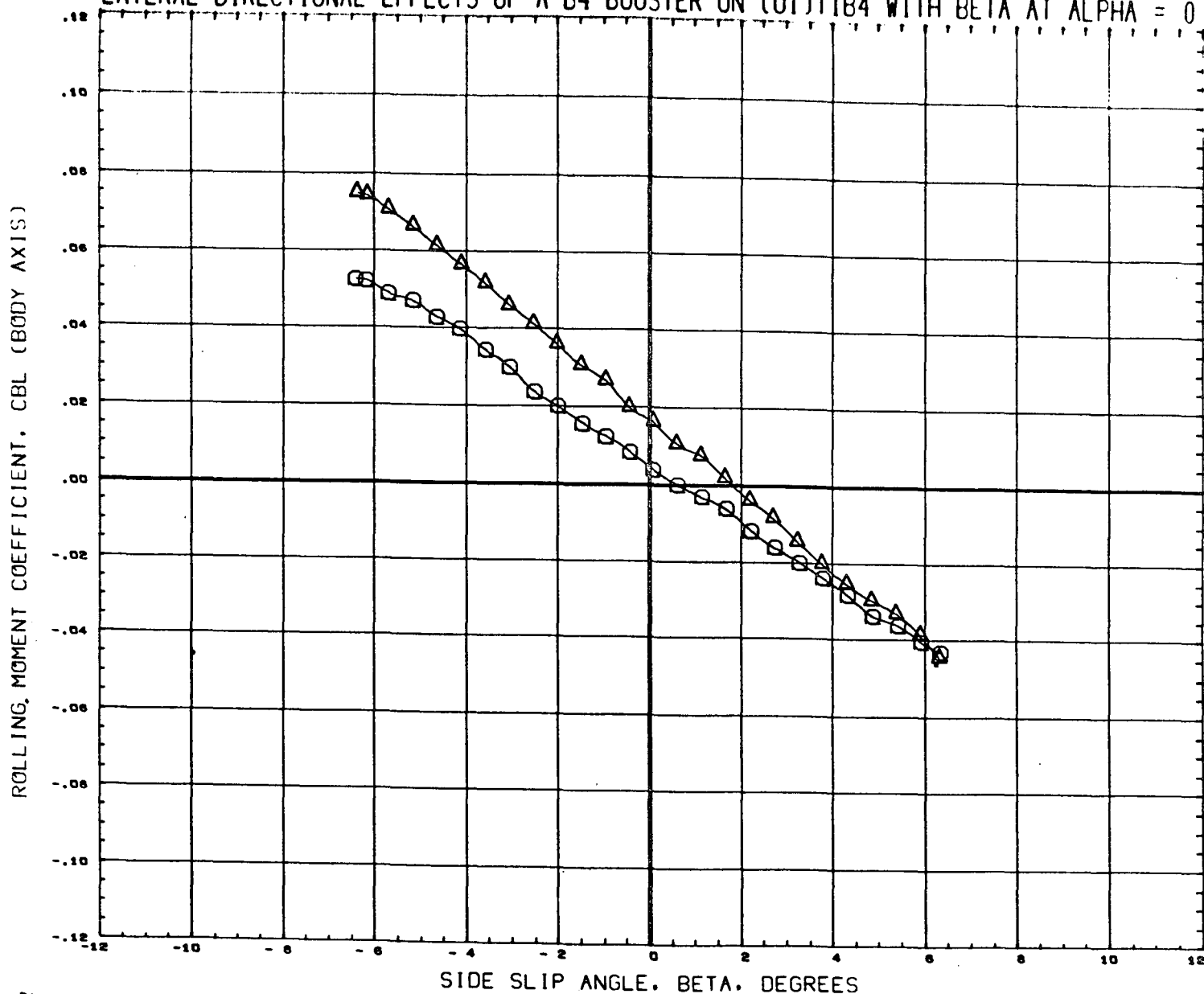
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RD7423) (RD7427) MDAC S-222 COMPOSITE(T-CG) (01)T1B4  
DATA NOT AVAILABLE FOR ALL CONDITIONS

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	957.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .59

PAGE 687

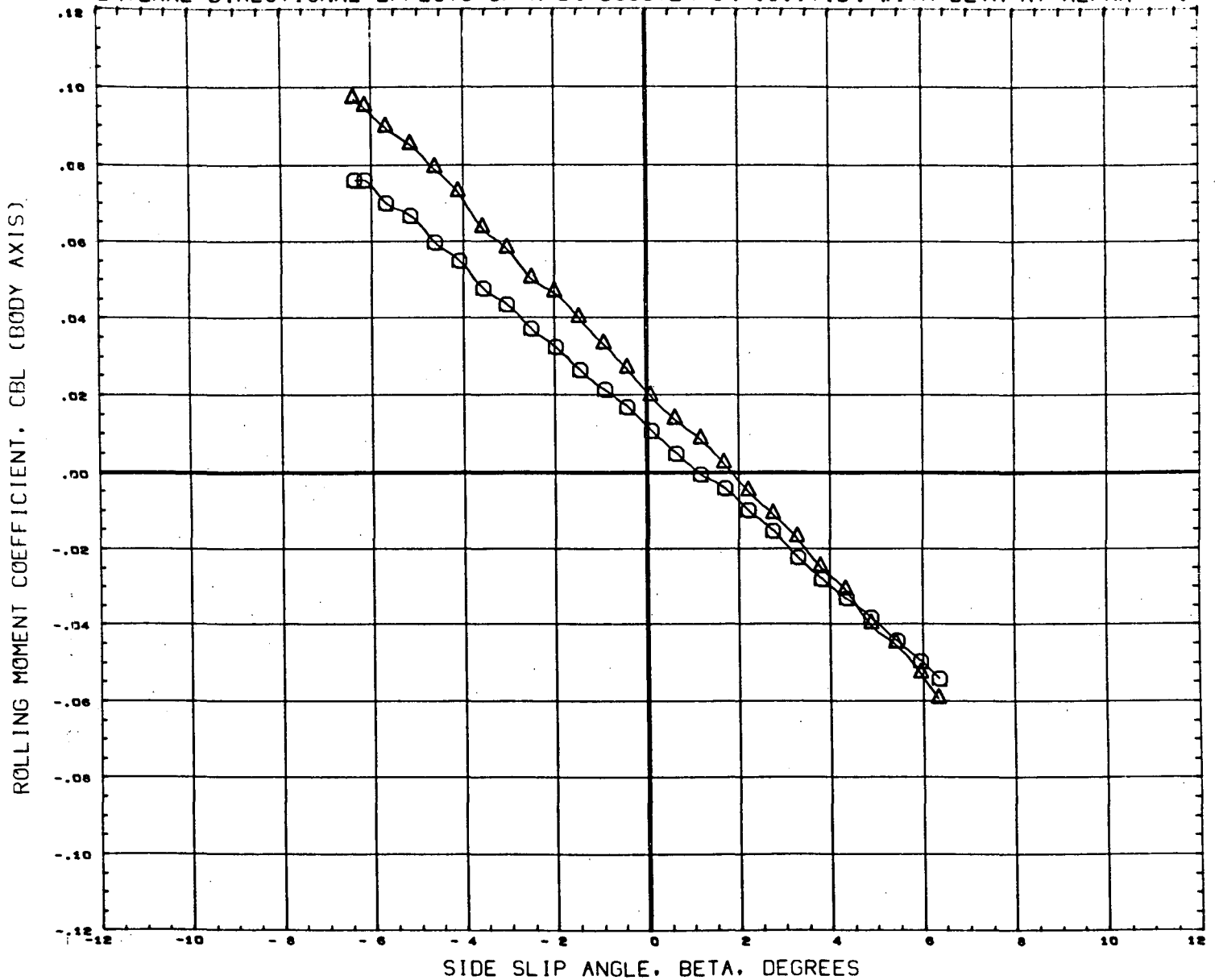
# LATERAL-DIRECTIONAL EFFECTS OF A B4 BOOSTER ON (O1)T1B4 WITH BETA AT ALPHA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7423)	NDAC S-222 COMPOSITE (T-CG) (O1)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7427)	NDAC S-222 COMPOSITE (T-CG) (O1)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

# LATERAL-DIRECTIONAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 WITH BETA AT ALPHA = 0

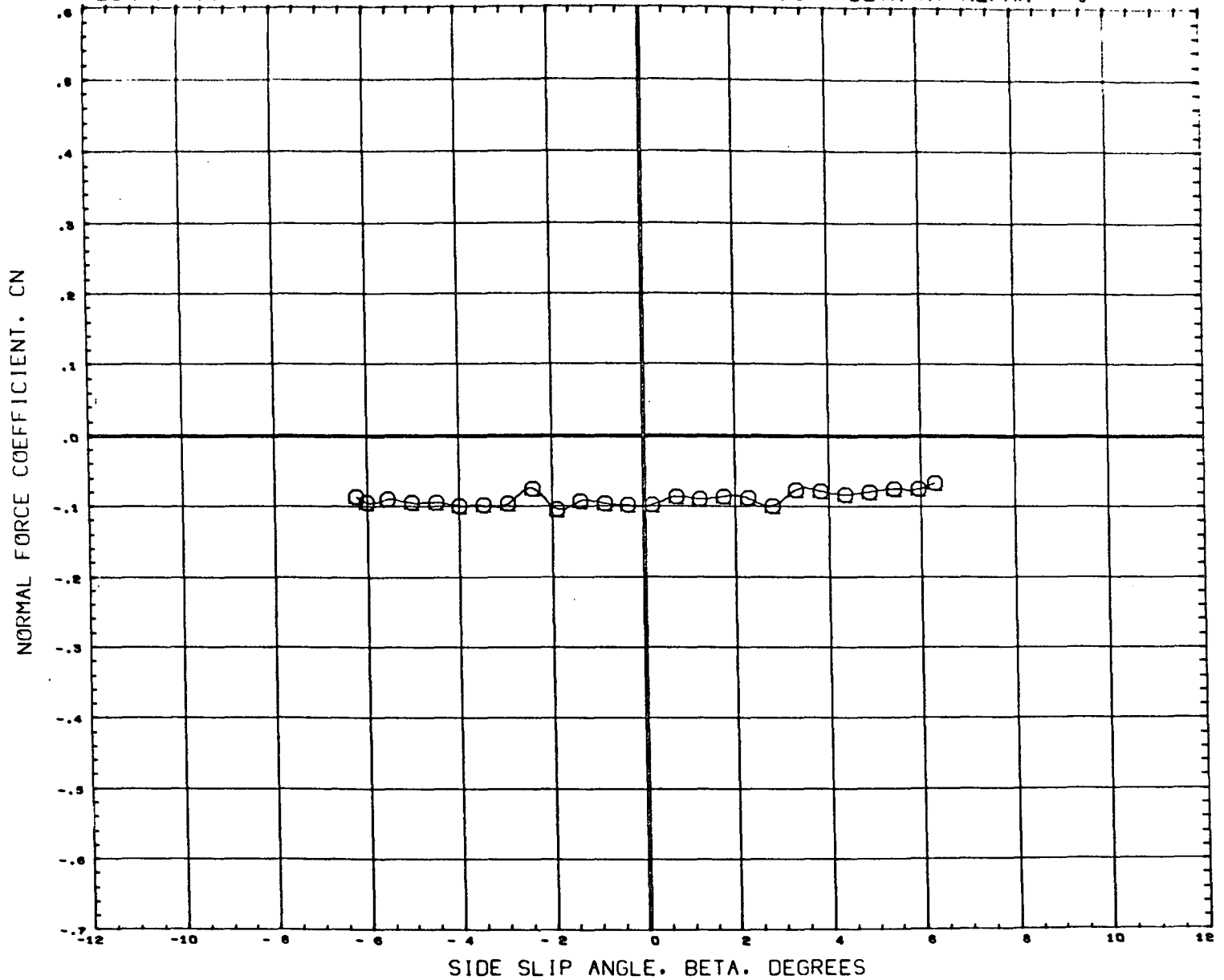


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7423)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7427)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	682.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

PAGE 689

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 WITH BETA AT ALPHA = 0



DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7423)    MDAC S-222 COMPOSITE(T-CG) (01)T1B4  
 (CD7427)    DATA NOT AVAILABLE FOR ALL CONDITIONS

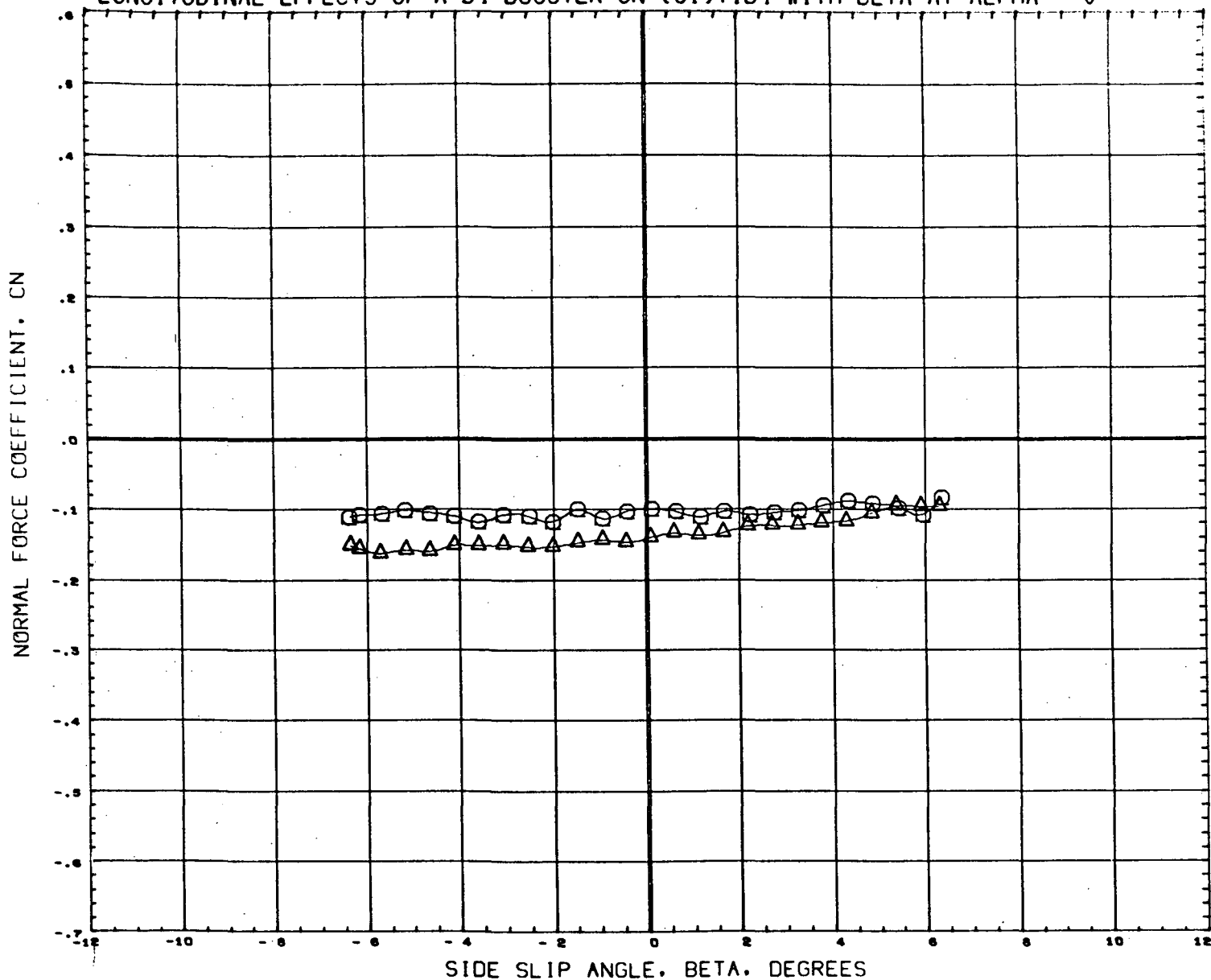
ALPHA	ELEVTR	ATLON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.3004	IN.
BREF	662.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH            .59

PAGE    690

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 WITH BETA AT ALPHA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7423) (01)T1B4  
(CD7427) (01)T1B4L (B4R)

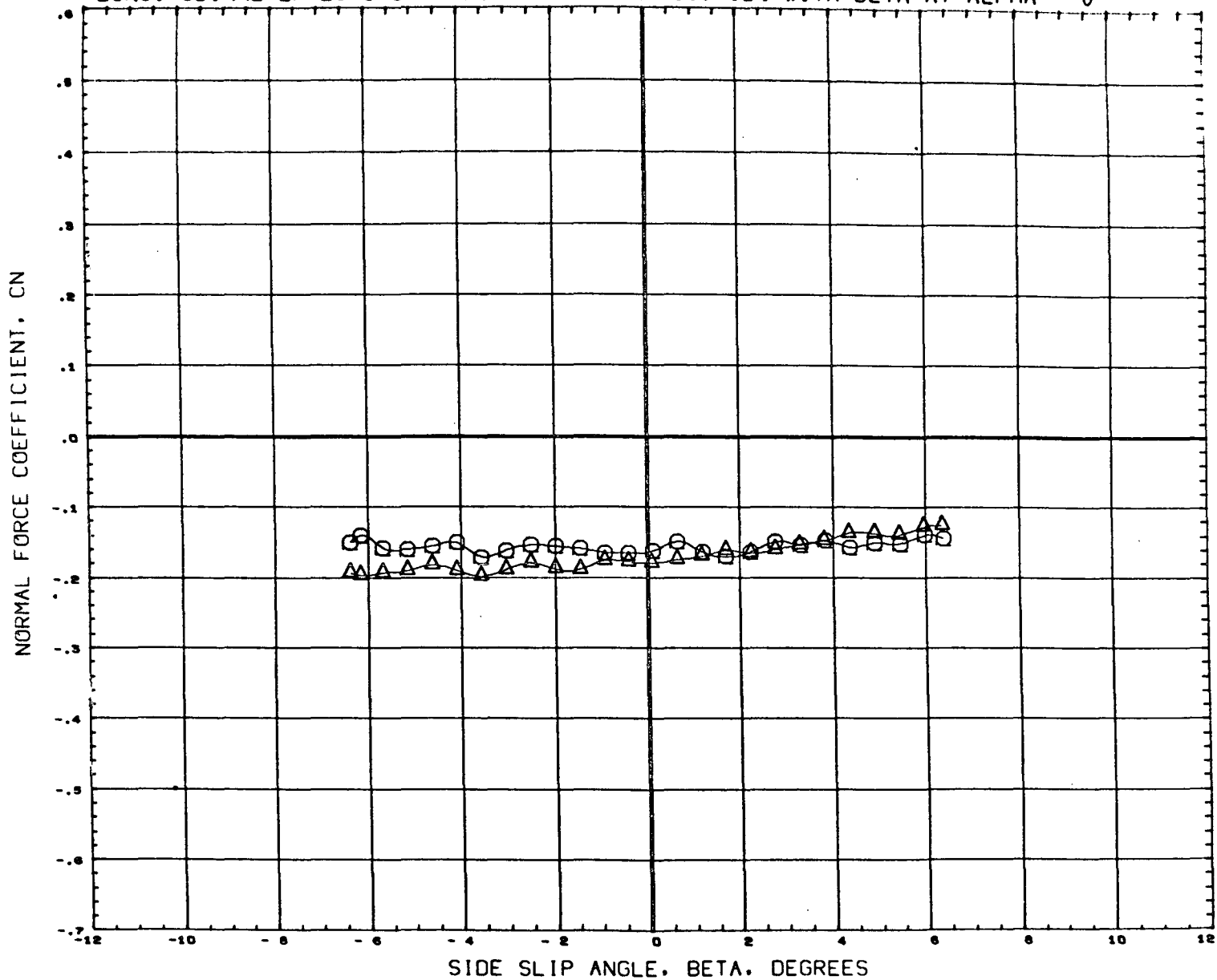
ALPHA ELEVTR AILRON RUDDER  
0.000 0.000 0.000 0.000  
0.000 0.000 0.000 0.000

REFERENCE INFORMATION  
SREF 3155.3040 SQ.FT.  
LREF 609.5004 IN.  
BREF 662.0004 IN.  
XMRP 557.0004 IN.  
YMRP 0.0000 IN.  
ZMRP 200.0004 IN.  
SCALE 0.0060

MACH .90

PAGE 691

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (O1)T1B4 WITH BETA AT ALPHA = 0

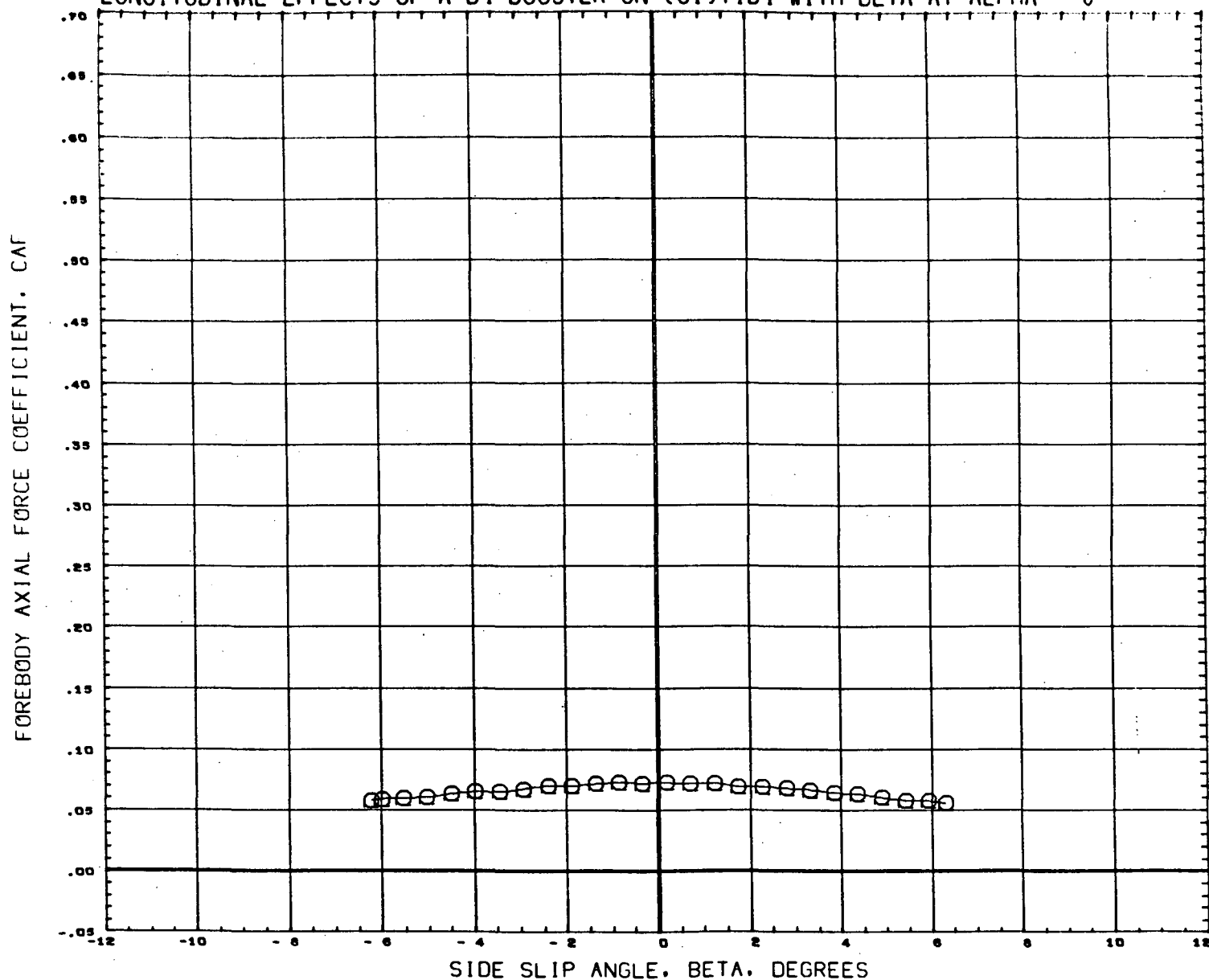


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7423)	MDAC S-222 COMPOSITE (I-CG) (O1)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7427)	MDAC S-222 COMPOSITE (I-CG) (O1)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	957.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

PAGE 692

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 WITH BETA AT ALPHA = 0



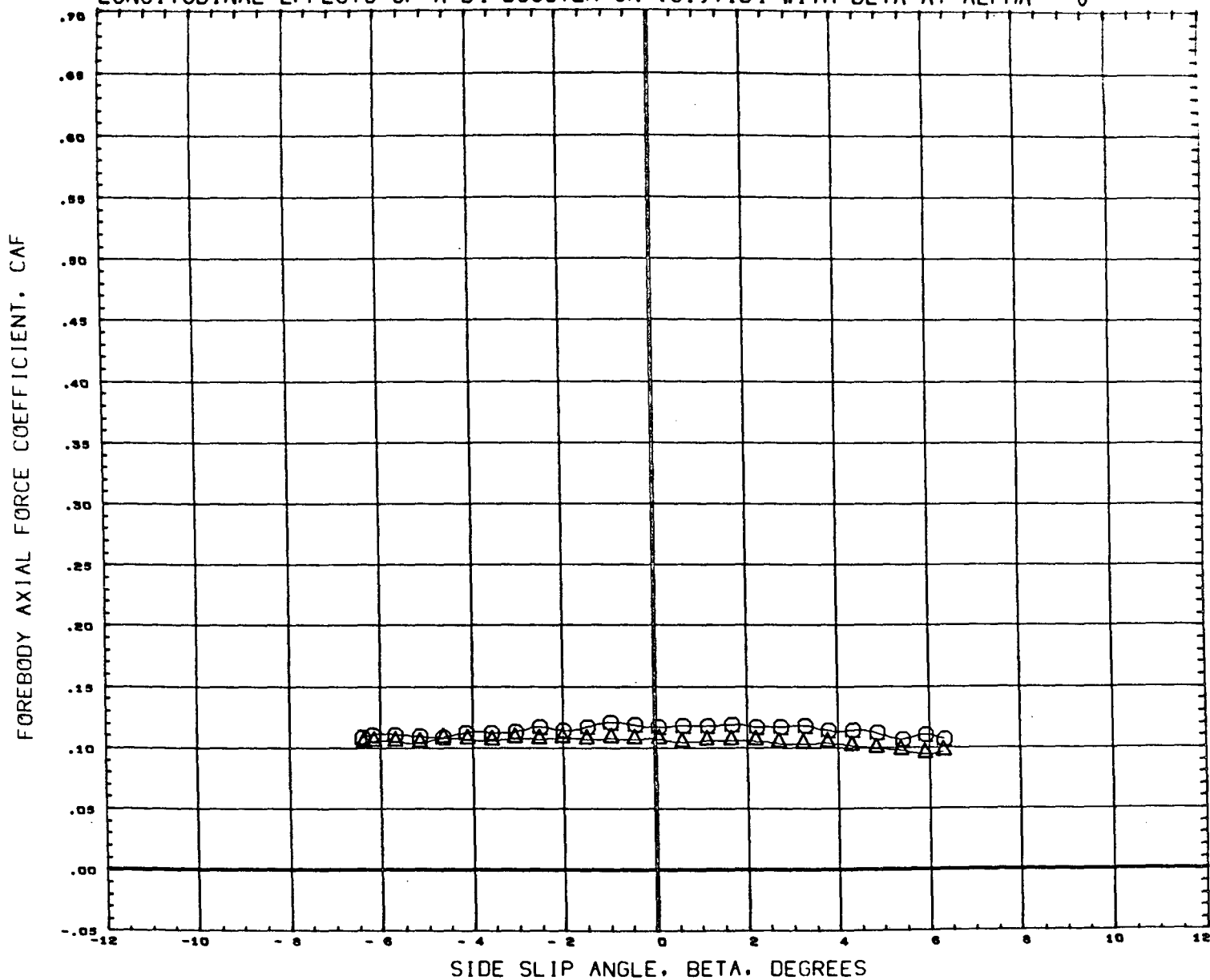
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7423) MDAC S-222 COMPOSITE(T-CG) (01)T1B4  
 (CD7427) DATA NOT AVAILABLE FOR ALL CONDITIONS

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	662.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0000

MACH .59

PAGE 693

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 WITH BETA AT ALPHA = 0



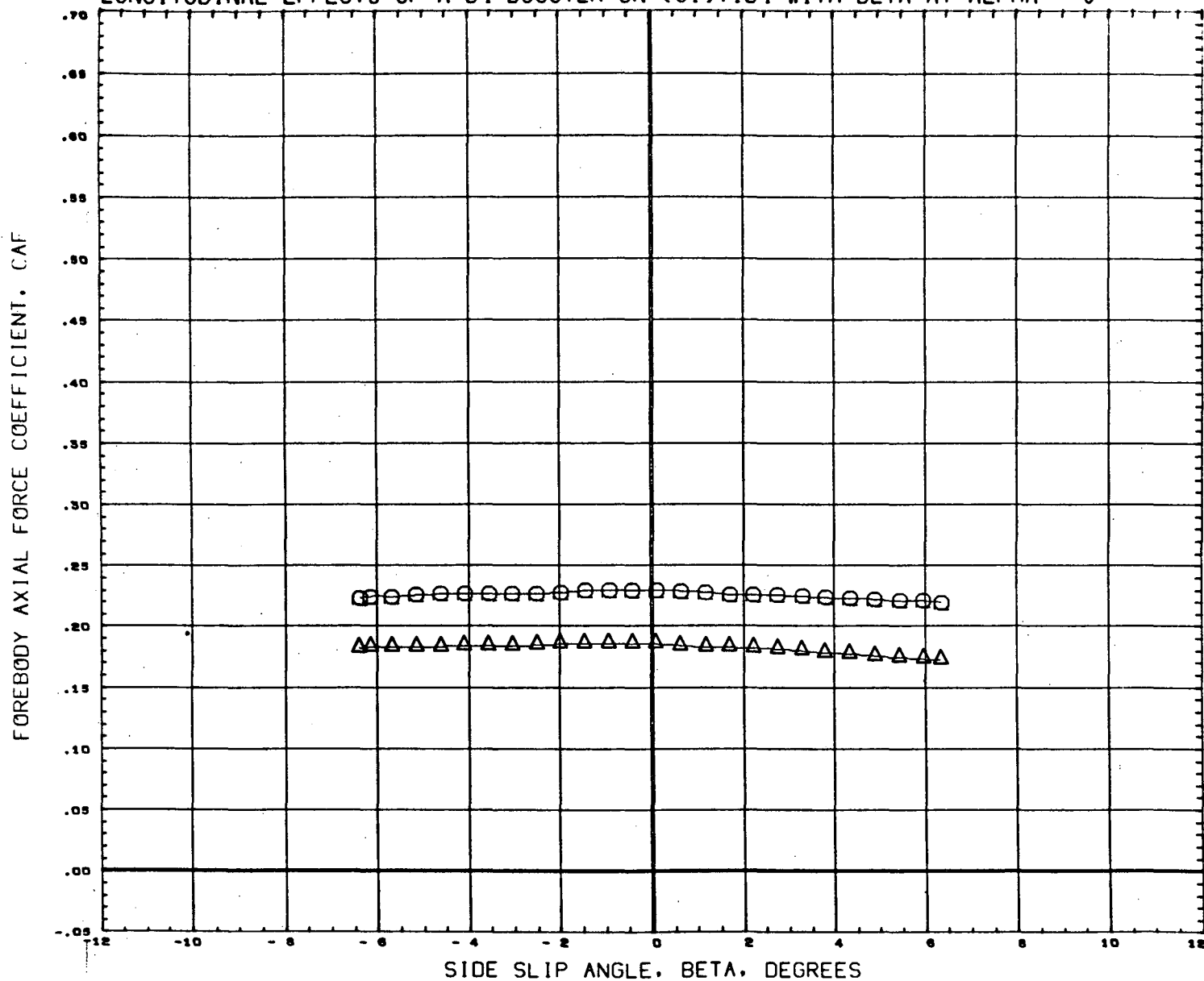
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7423)	MDAC S-222 COMPOSITE(T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7427)	MDAC S-222 COMPOSITE(T-CG) (01)T1B4L(B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	682.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 694



# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 WITH BETA AT ALPHA = 0



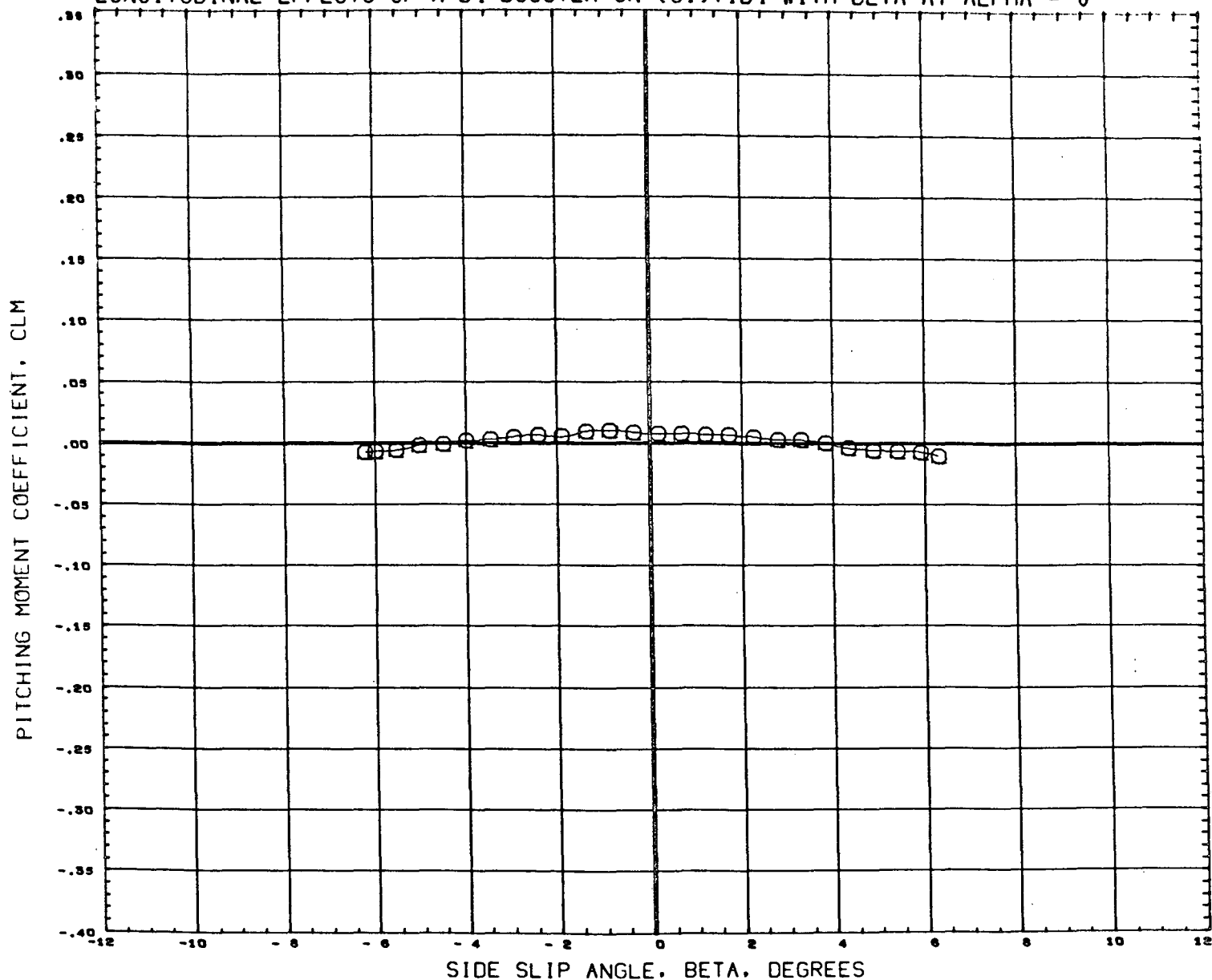
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7423)    (01)T1B4  
 (CD7427)    (01)T1B4L (B4R)

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	800.0004 IN.
				SCALE	0.0060

MACH 1.09

PAGE 695

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 WITH BETA AT ALPHA = 0



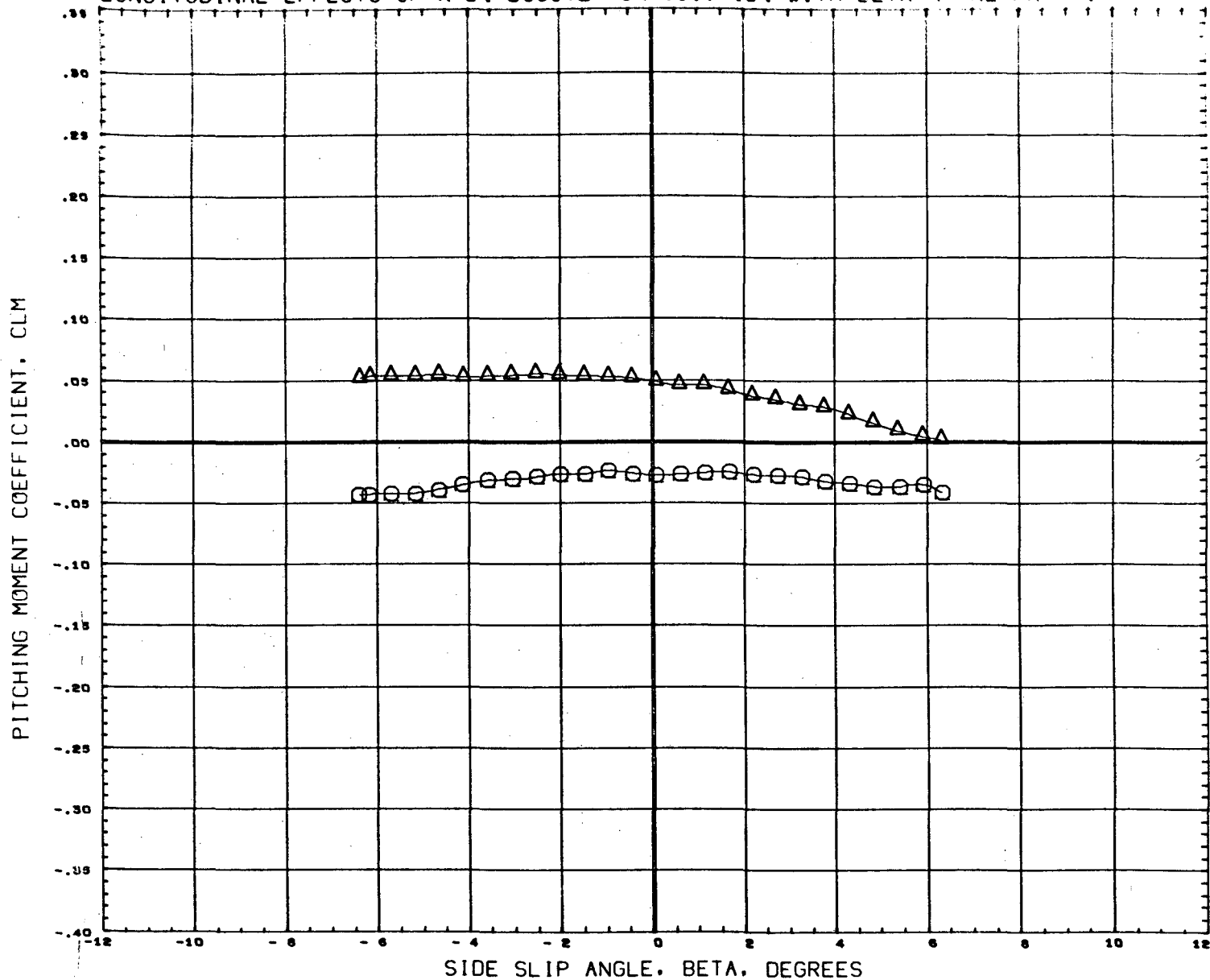
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
(CD7423)    ○    MDAC S-222 COMPOSITE(T-CG) (01)T1B4  
(CD7427)    △    DATA NOT AVAILABLE FOR ALL CONDITIONS

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRF	957.0004 IN.
				YMRF	0.0000 IN.
				ZMRF	200.0004 IN.
				SCALE	0.0060

MACH .59

PAGE 696

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (O1)T1B4 WITH BETA AT ALPHA = 0

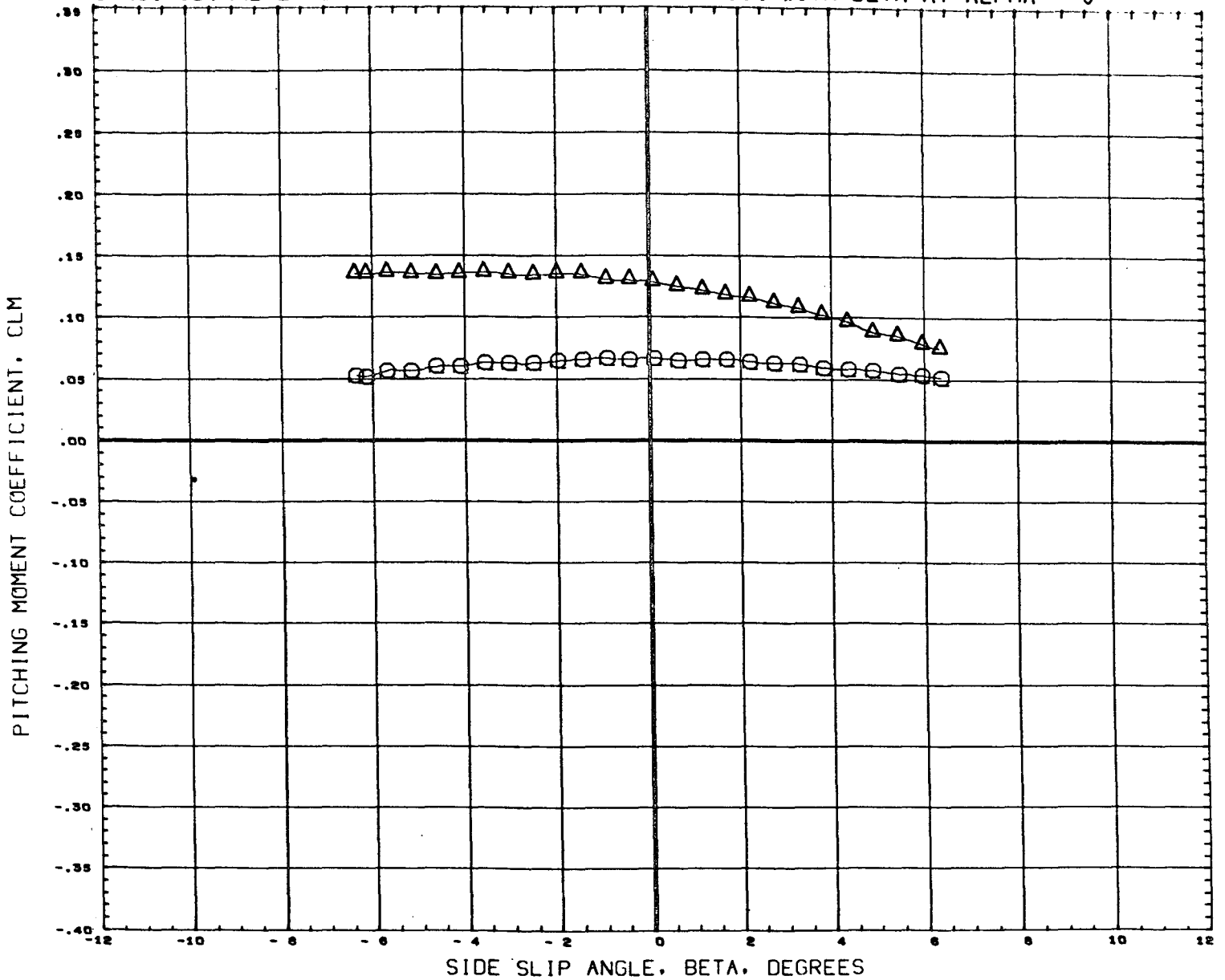


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7423)	MDAC S-222 COMPOSITE(T-CG) (O1)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7427)	MDAC S-222 COMPOSITE(T-CG) (O1)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 697

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 WITH BETA AT ALPHA = 0

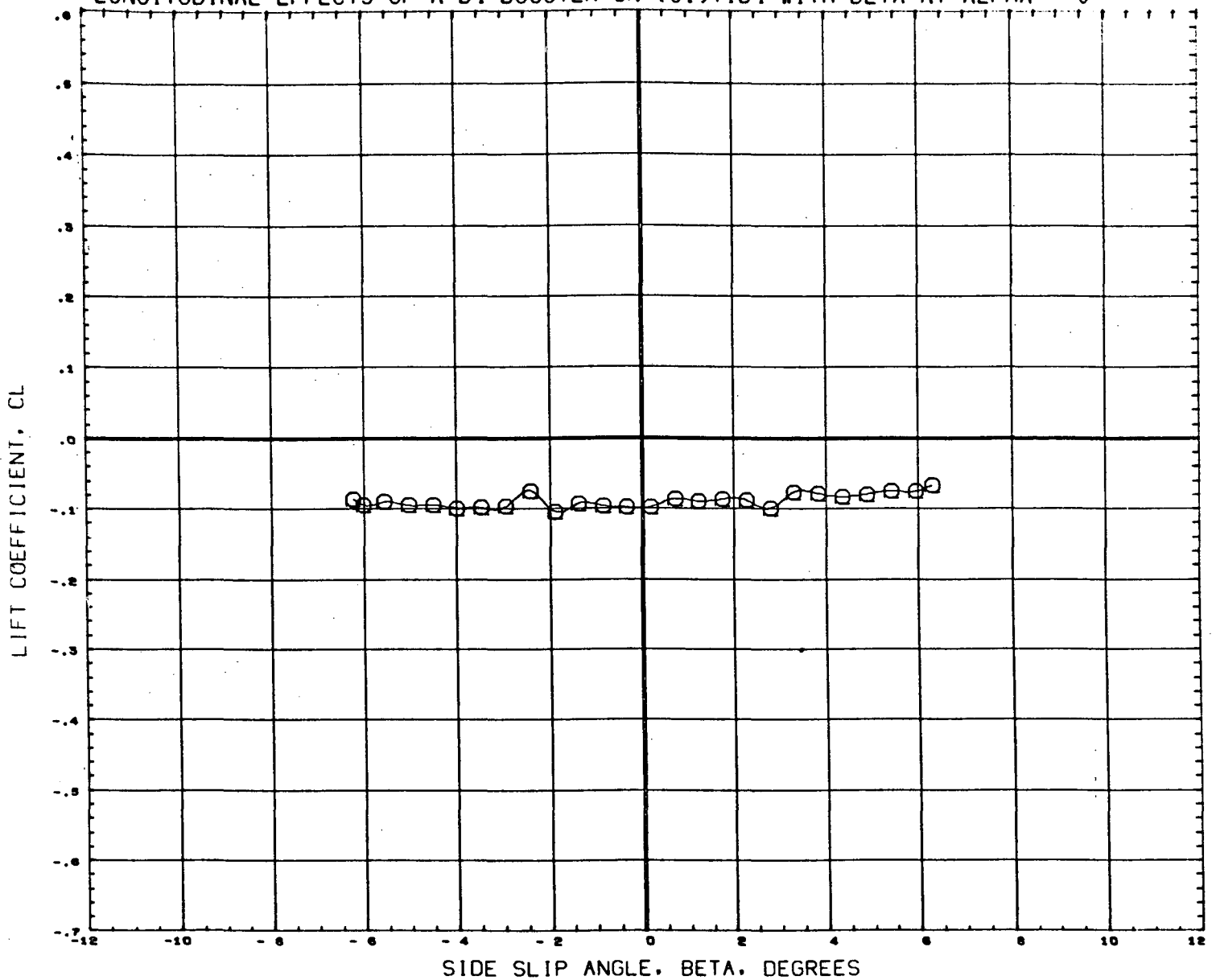


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7423)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7427)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

PAGE 698

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 WITH BETA AT ALPHA = 0



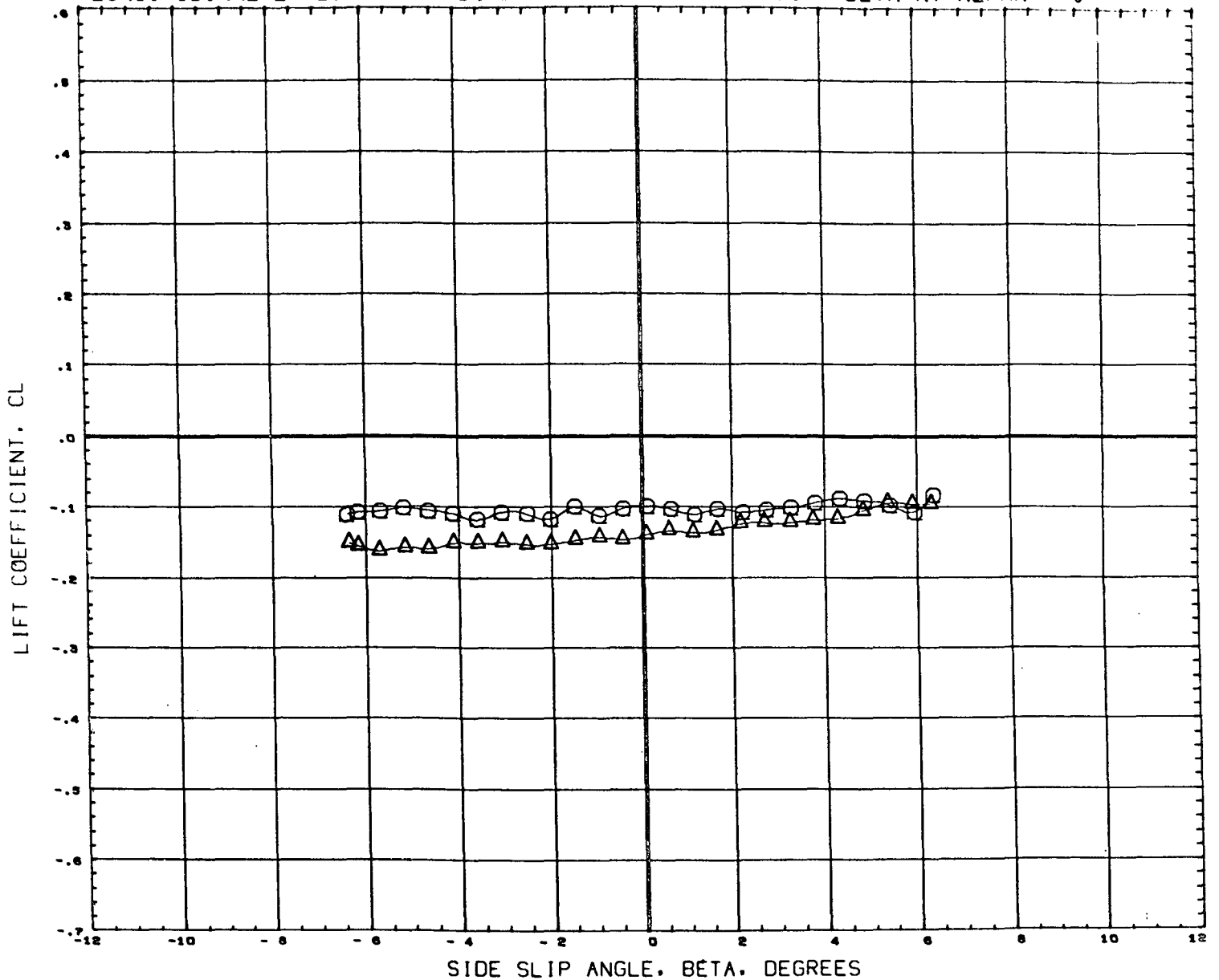
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7423)  MDAC S-222 COMPOSITE (T-CG) (01)T1B4  
 (CD7427)  DATA NOT AVAILABLE FOR ALL CONDITIONS

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	537.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .59

PAGE 699

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 WITH BETA AT ALPHA = 0

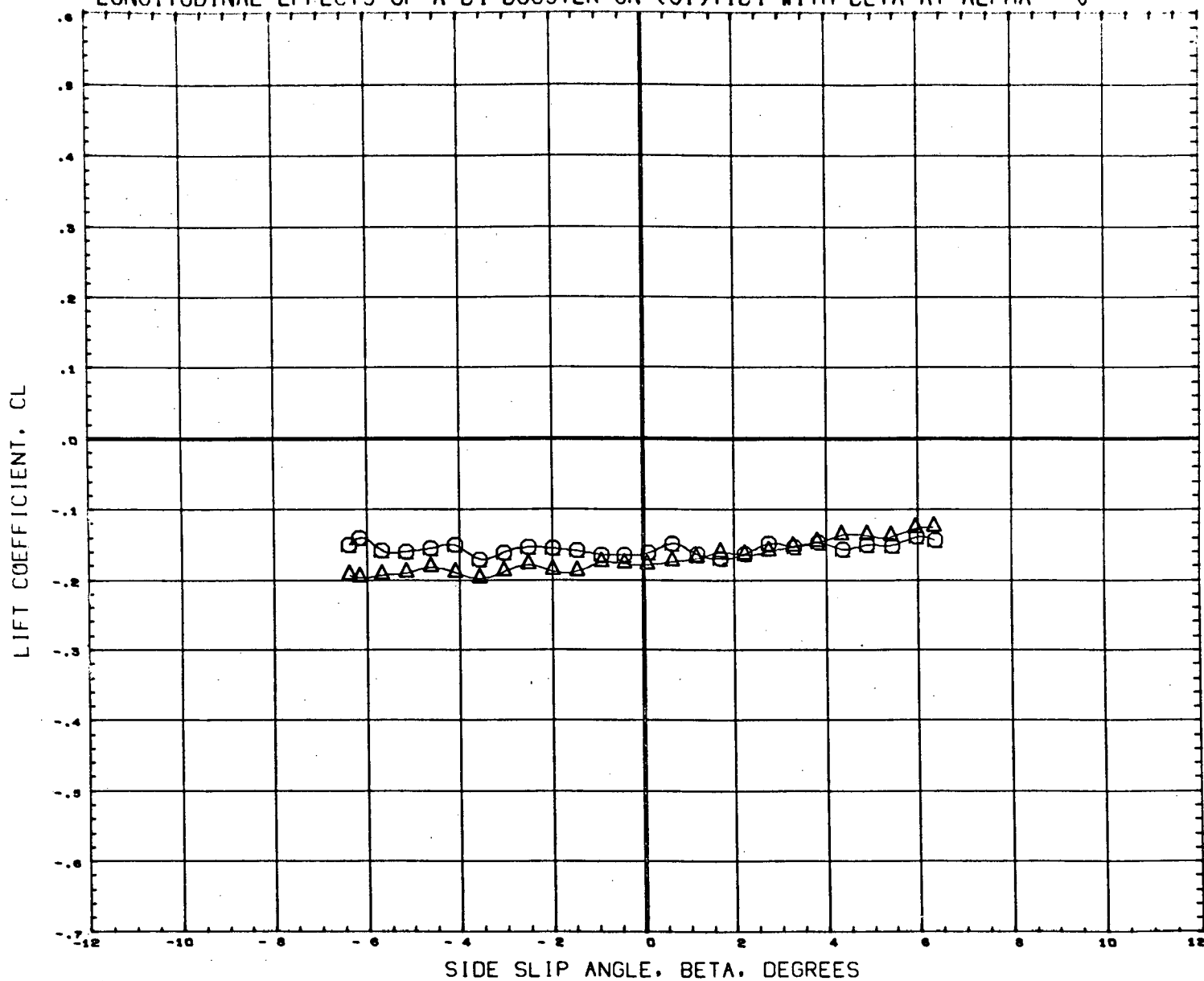


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7423)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7427)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.9004 IN.
						BREF	882.0004 IN.
						XMRP	997.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 700

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 WITH BETA AT ALPHA = 0

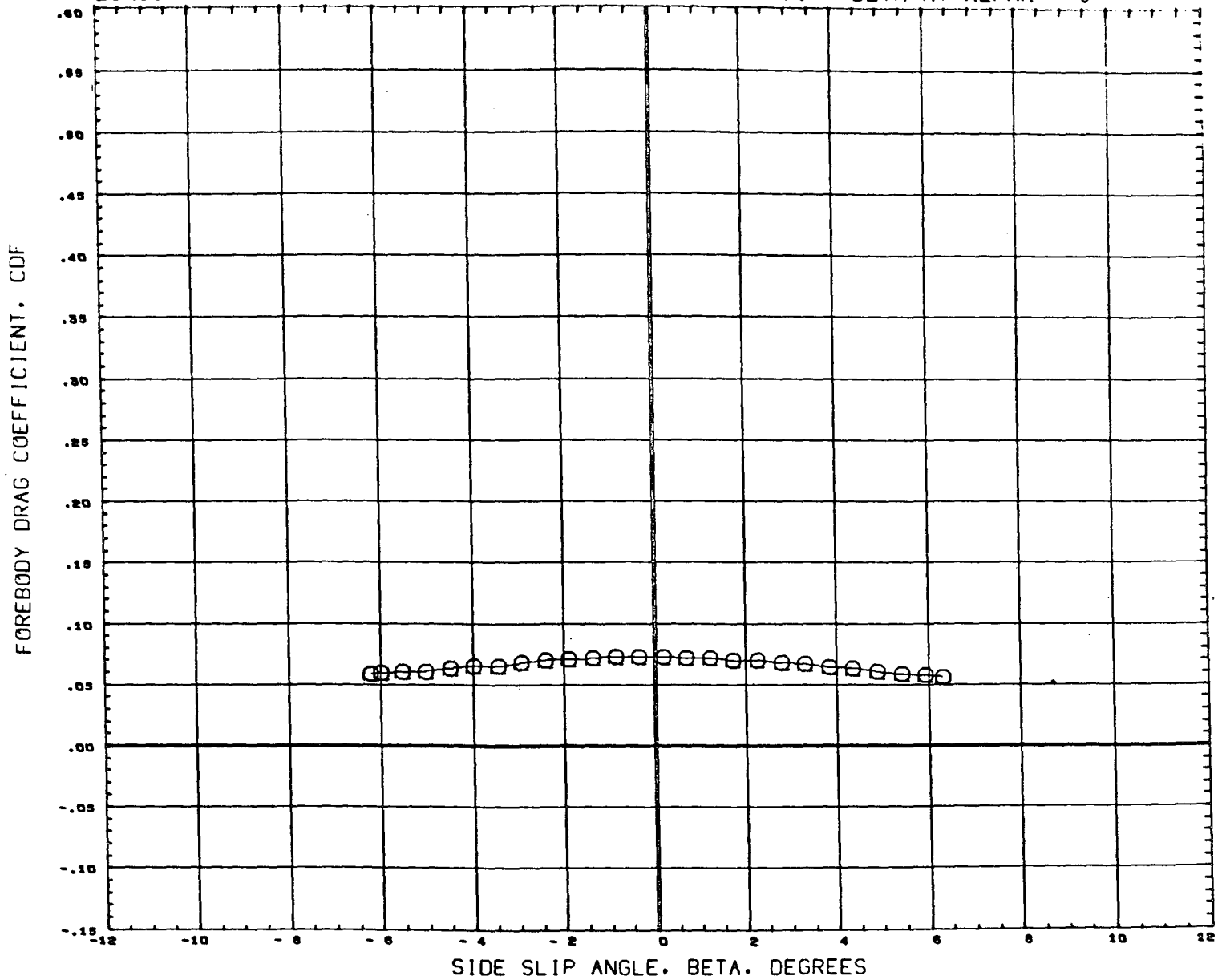


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7423)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7427)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRP	597.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

PAGE 701

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 WITH BETA AT ALPHA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7423) MDAC S-222 COMPOSITE (T-CG) (01)T1B4  
 (CD7427) DATA NOT AVAILABLE FOR ALL CONDITIONS

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	682.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

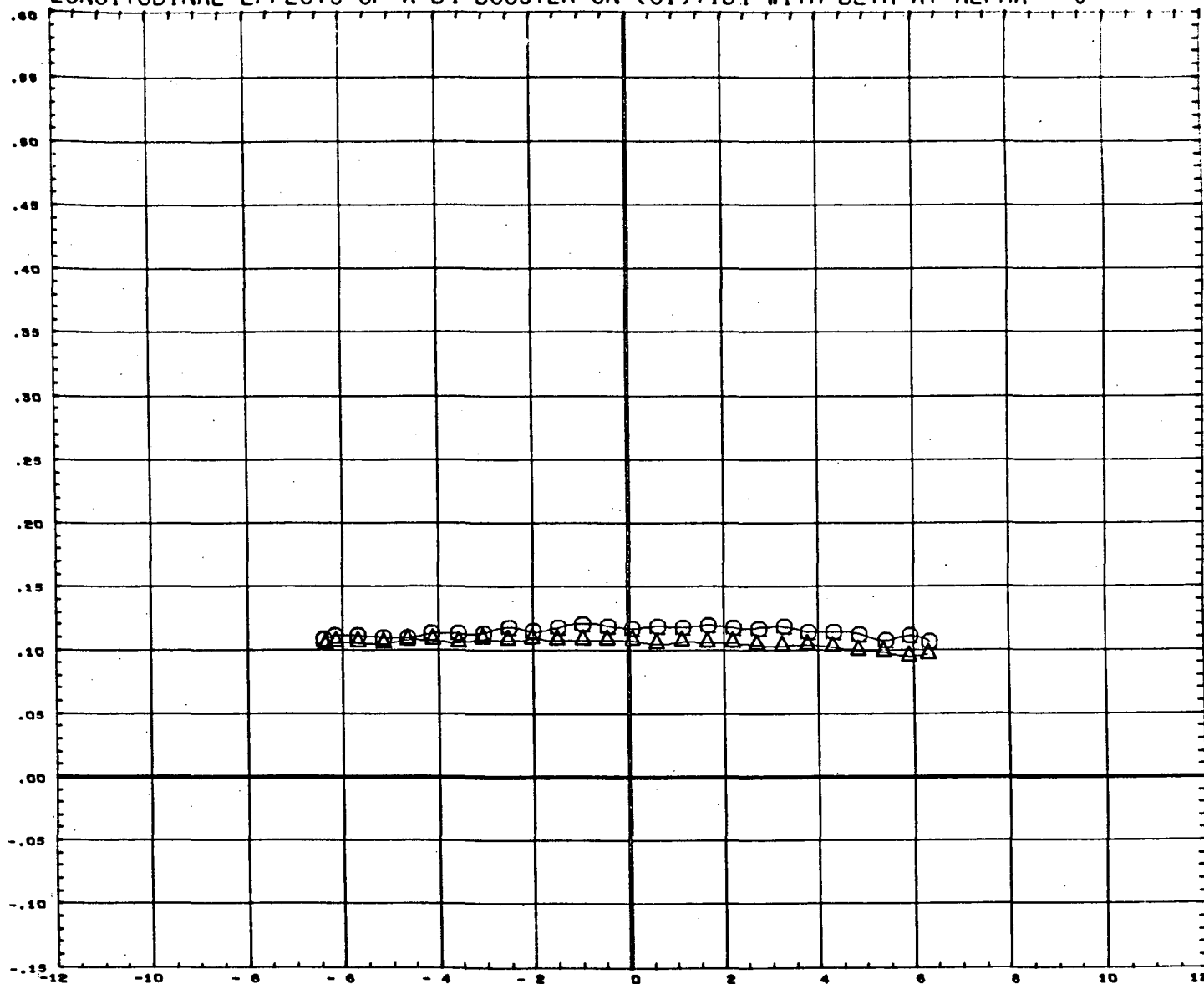
MACH .59

PAGE 702



FOREBODY DRAG COEFFICIENT, CDF

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (O1)T1B4 WITH BETA AT ALPHA = 0



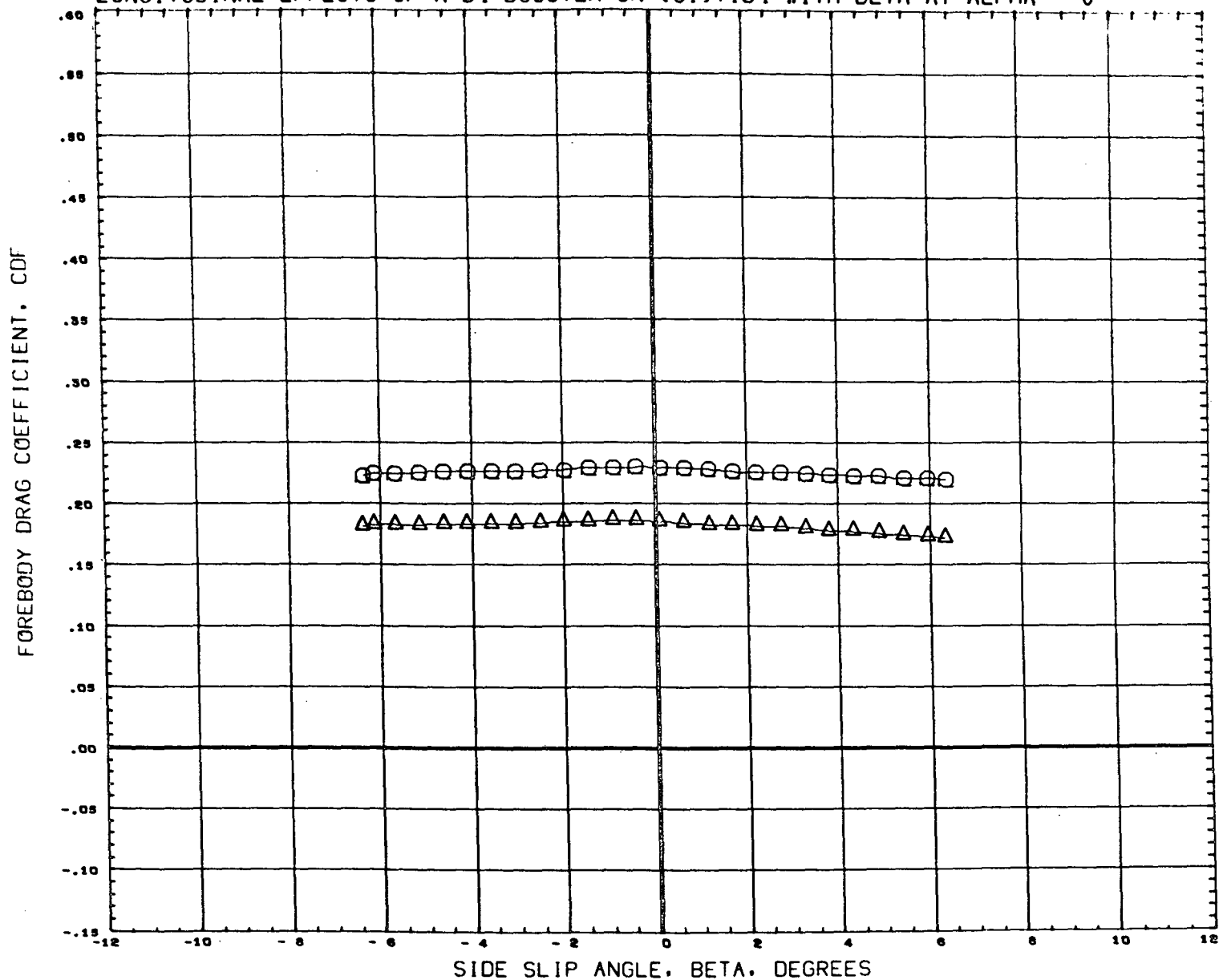
SIDE SLIP ANGLE, BETA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7423)	MDAC S-222 COMPOSITE(T-CG) (O1)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7427)	MDAC S-222 COMPOSITE(T-CG) (O1)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRR	557.0004 IN.
						YMRR	0.0000 IN.
						ZMRR	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 703

# LONGITUDINAL EFFECTS OF A B4 BOOSTER ON (01)T1B4 WITH BETA AT ALPHA = 0

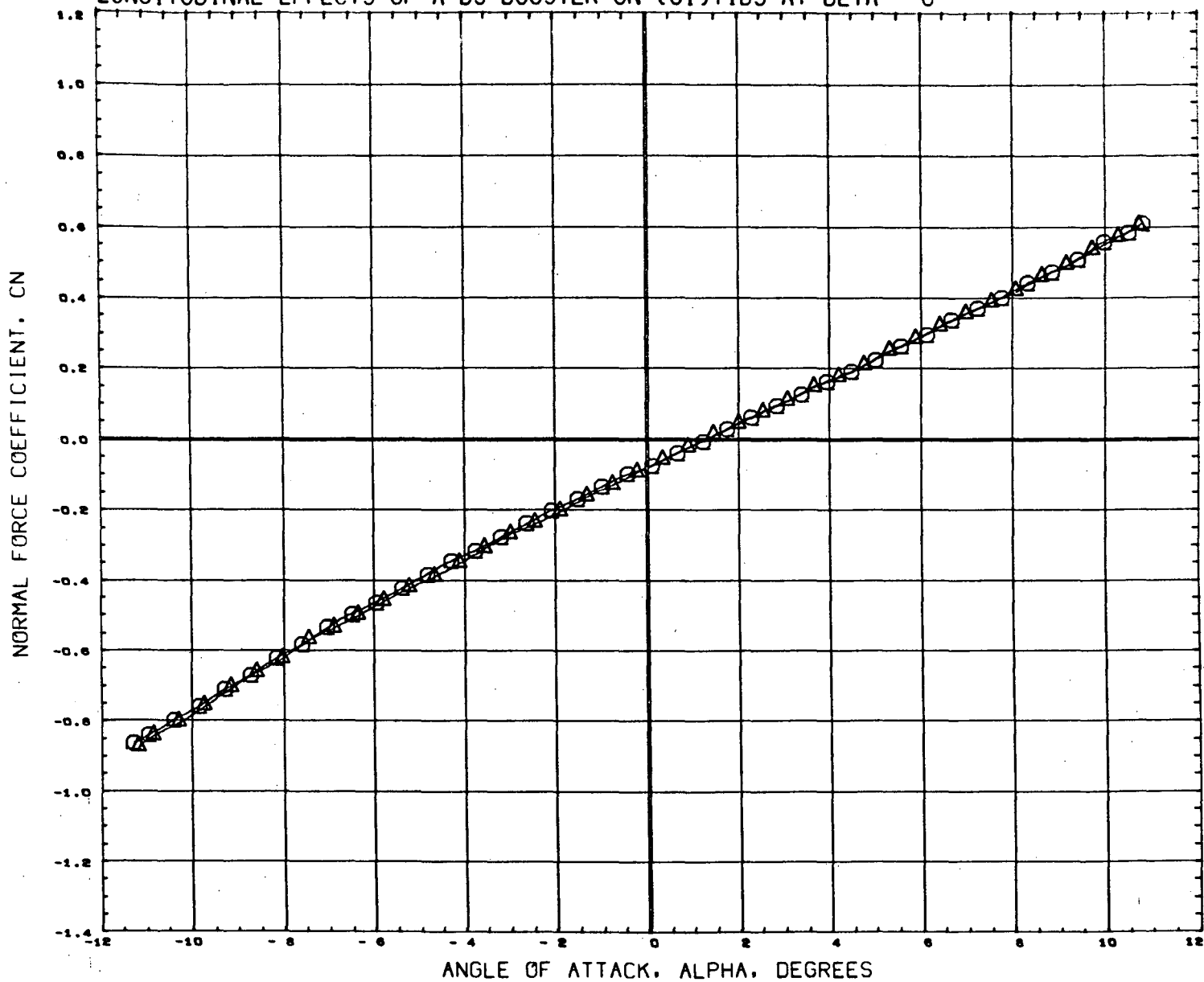


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7423)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7427)	MDAC S-222 COMPOSITE (T-CG) (01)T1B4L (B4R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

PAGE 704

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01)T1B5 AT BETA = 6

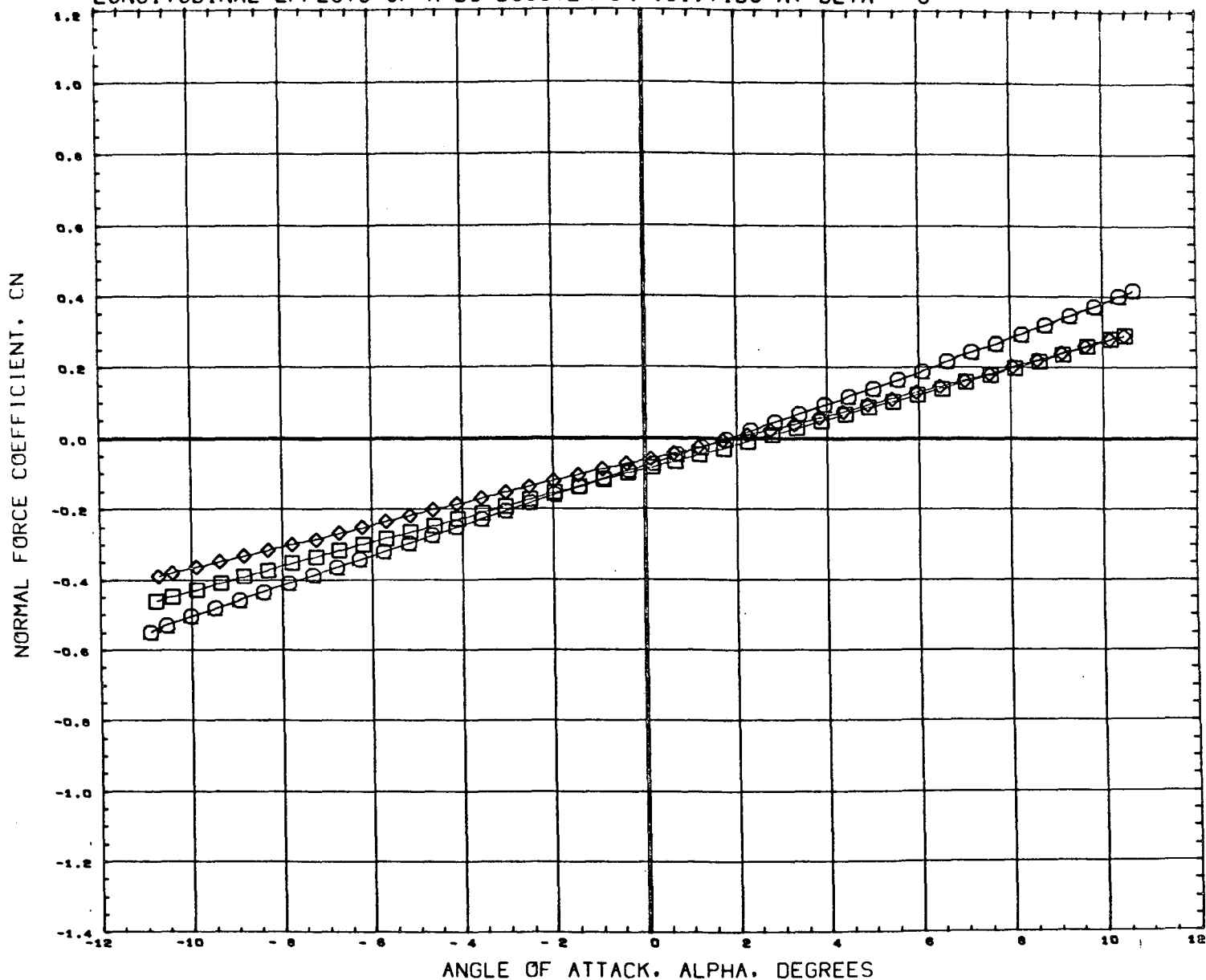


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7429)	MDAC S-222 COMPOSITE(T-CG) (01)T1B5	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7430)	MDAC S-222 COMPOSITE(T-CG) (01)T1B5	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7431)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(CD7432)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

PAGE 705

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01)T1B5 AT BETA = 6

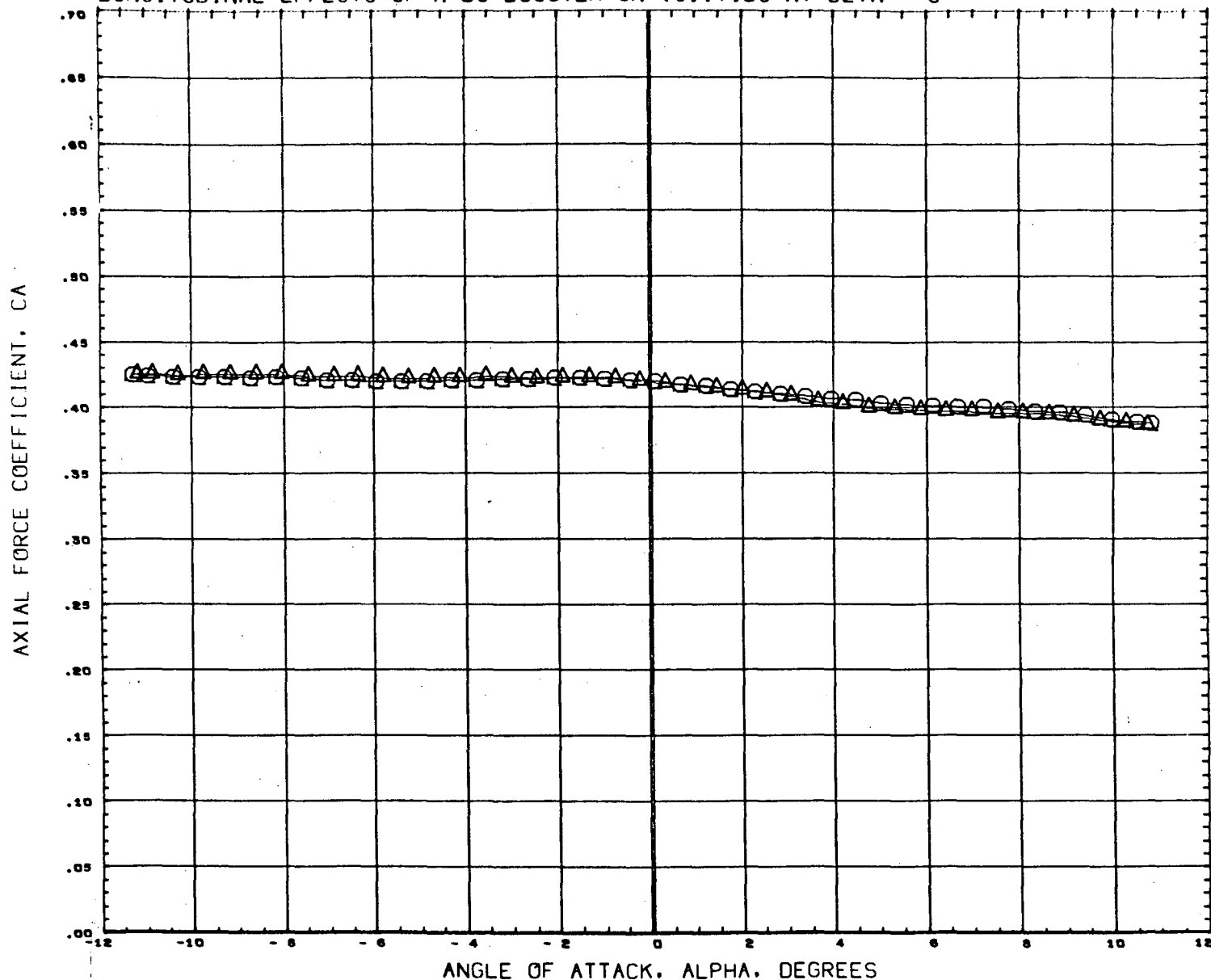


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7429)	MDAC S-222 COMPOSITE(T-CG) (01)T1B5	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7430)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7431)	MDAC S-222 COMPOSITE(T-CG) (01)T1B5L(B5R)	6.000	0.000	0.000	0.000	BREF	862.0004 IN.
(CD7432)	MDAC S-222 COMPOSITE(T-CG) (01)T1(B5L)B5R	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 706

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01)T1B5 AT BETA = 6

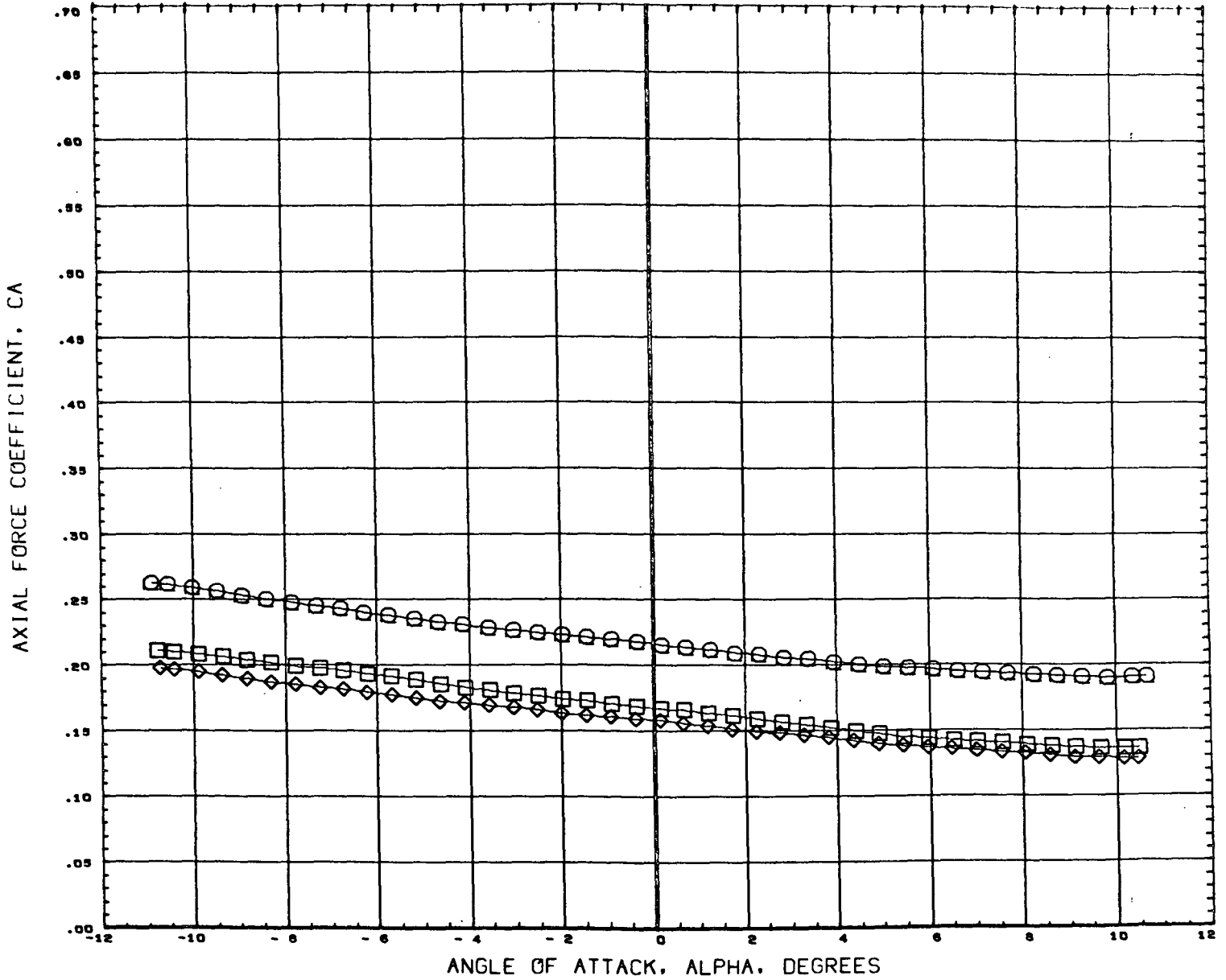


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7429)	MDAC S-222 COMPOSITE (T-C6) (01)T1B5	6.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD7430)	MDAC S-222 COMPOSITE (T-C6) (01)T1B5	6.000	0.000	0.000	0.000	LREF	609.5004	IN.
(CD7431)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BREF	882.0004	IN.
(CD7432)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	XMRF	557.0004	IN.
						YMRF	0.0000	IN.
						ZMRF	200.0004	IN.
						SCALE	0.0060	

MACH 1.51

PAGE 707

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01)T1B5 AT BETA = 6



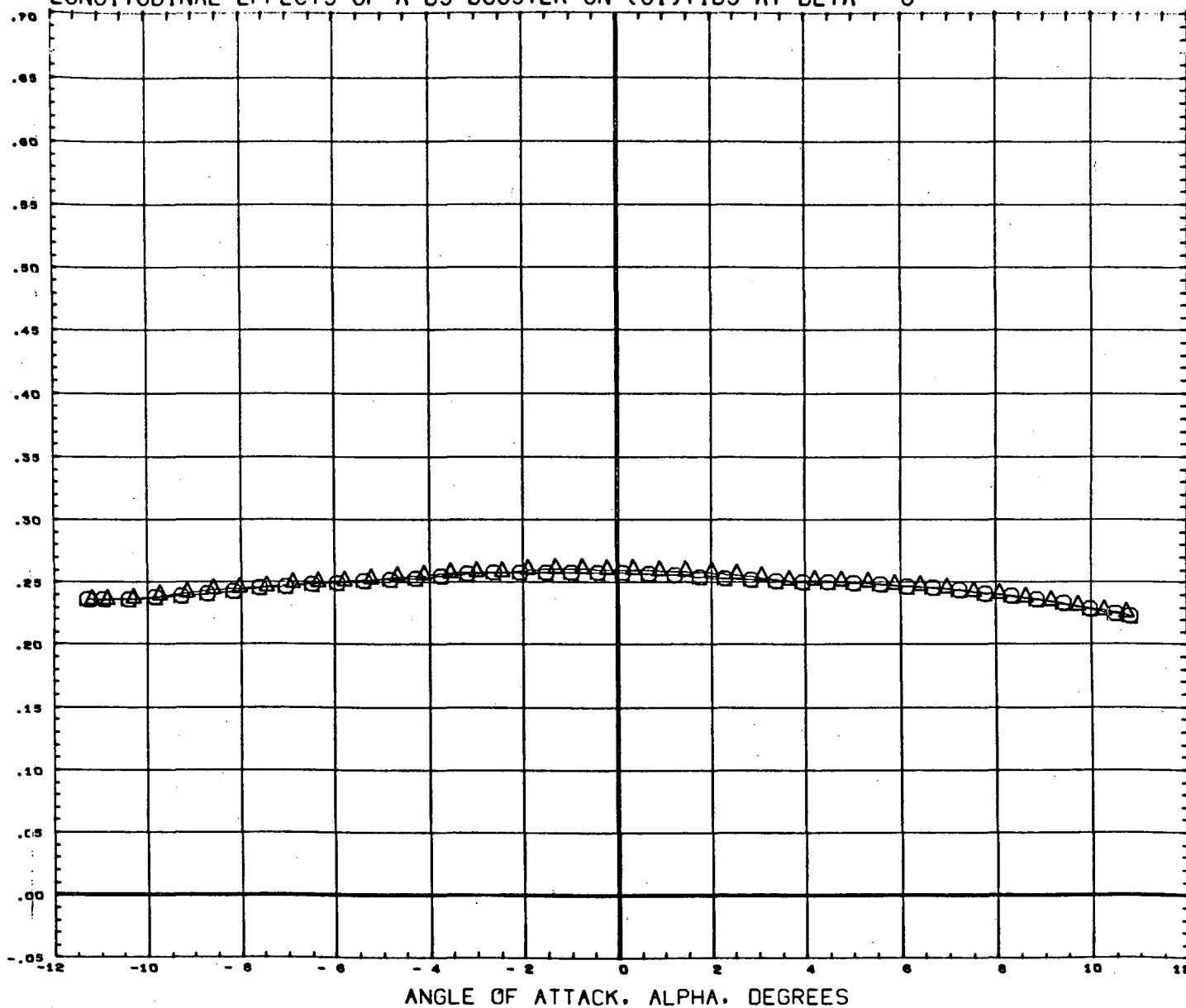
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7429)	MDAC S-222 COMPOSITE (T-CG) (01)T1B5	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7430)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7431)	MDAC S-222 COMPOSITE (T-CG) (01)T1B5L (B5R)	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(CD7432)	MDAC S-222 COMPOSITE (T-CG) (01)T1 (B5L)B5R	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 708

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01)T1B5 AT BETA = 6

FOREBODY AXIAL FORCE COEFFICIENT, CAF

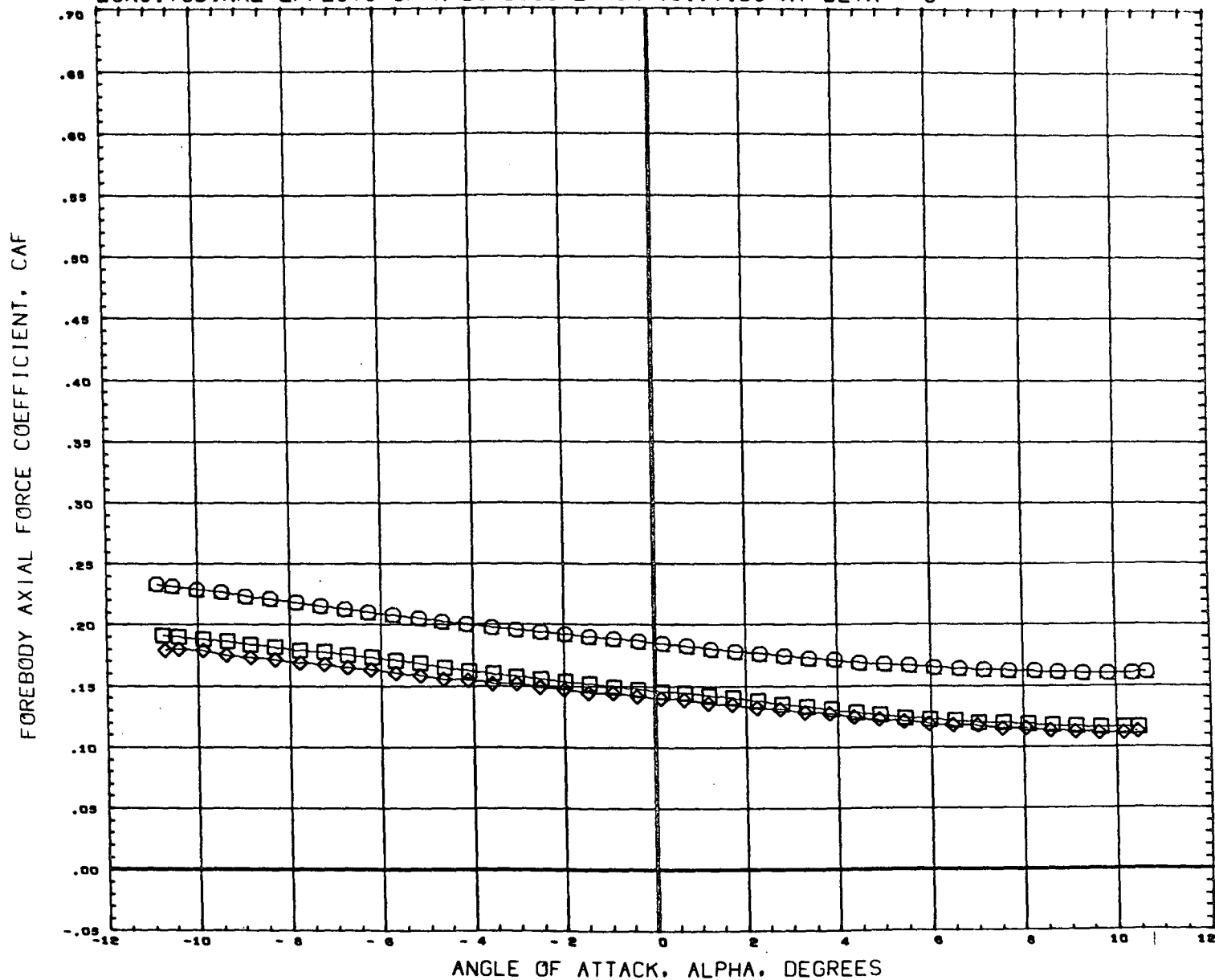


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7429)	MDAC S-222 COMPOSITE(T-CG) (01)T1B5	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7430)	MDAC S-222 COMPOSITE(T-CG) (01)T1B5	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7431)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BREF	662.0004 IN.
(CD7432)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

PAGE 709

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1)T1B5 AT BETA = 6



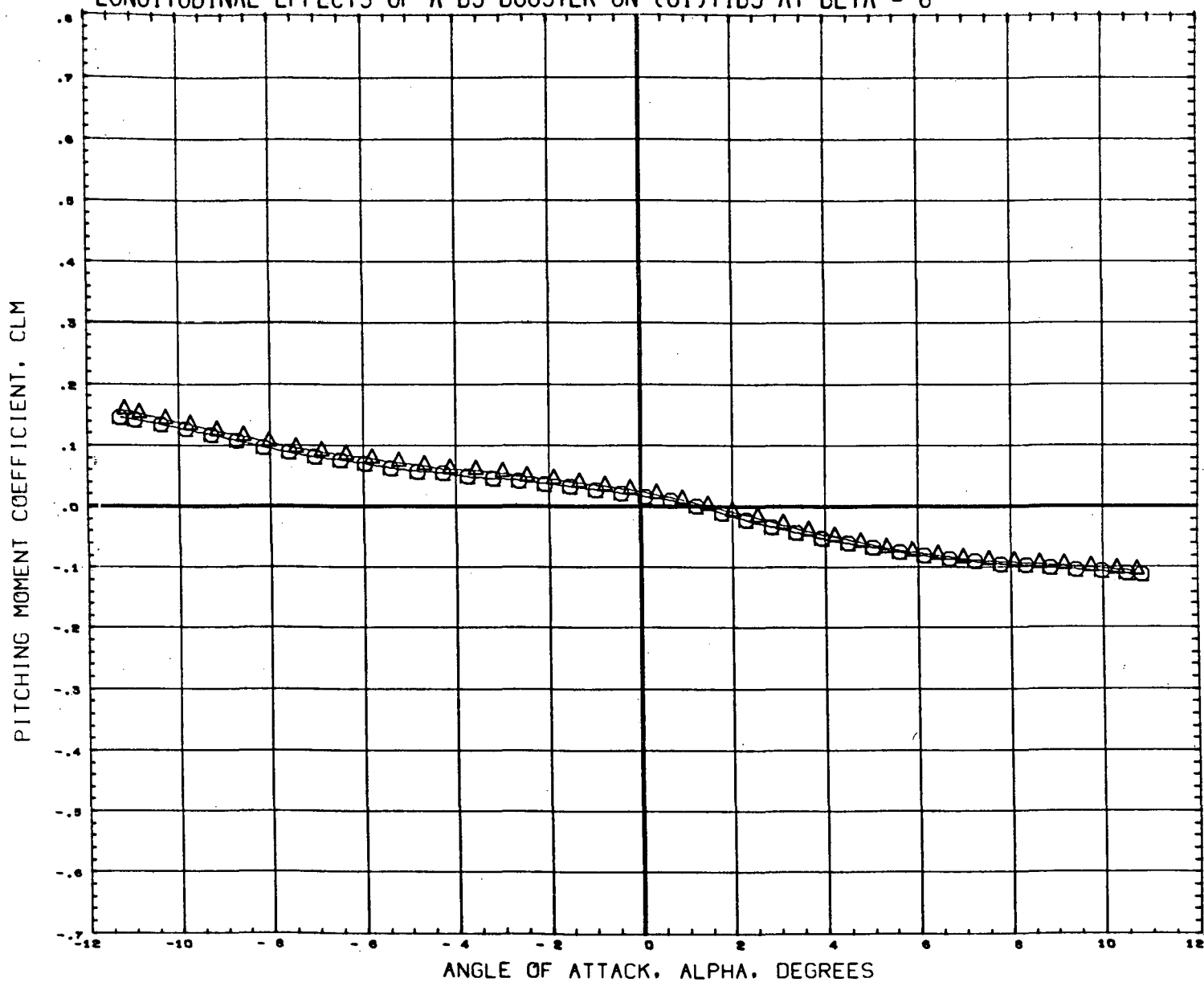
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7429)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B5	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7430)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7431)	MDAC S-222 COMPOSITE (T-CG) (O1)T1B5L (B5R)	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(CD7432)	MDAC S-222 COMPOSITE (T-CG) (O1)T1(B5L)B5R	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 710



# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01)T1B5 AT BETA = 6



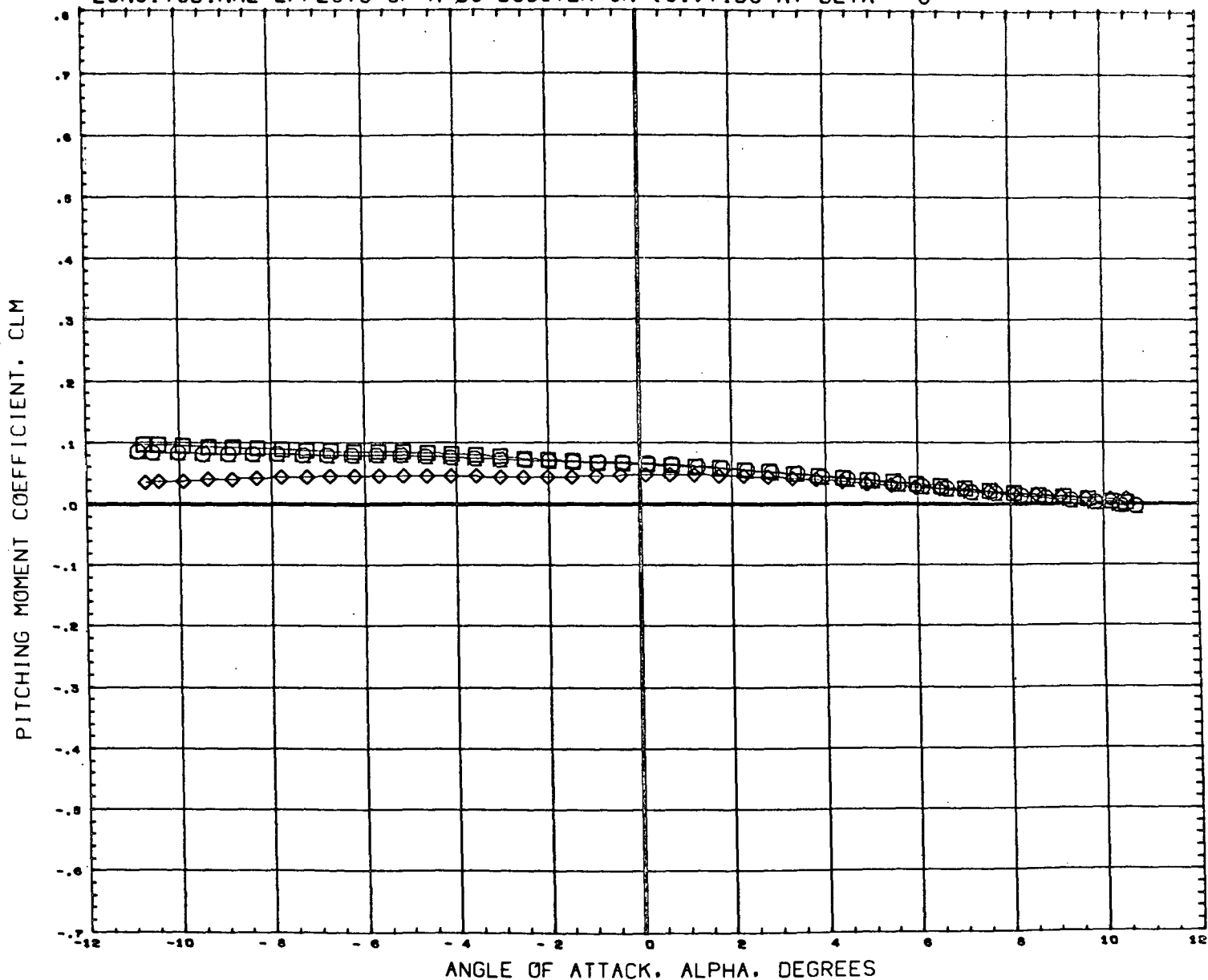
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7429)    ○    MDAC S-222 COMPOSITE (T-C6) (01)T1B5  
 (CD7430)    △    MDAC S-222 COMPOSITE (T-C6) (01)T1B5  
 (CD7431)    ◇    DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7432)    □    DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3195.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
6.000	0.000	0.000	0.000	BREF	882.0004 IN.
6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH    1.51

PAGE    711

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01)T1B5 AT BETA = 6

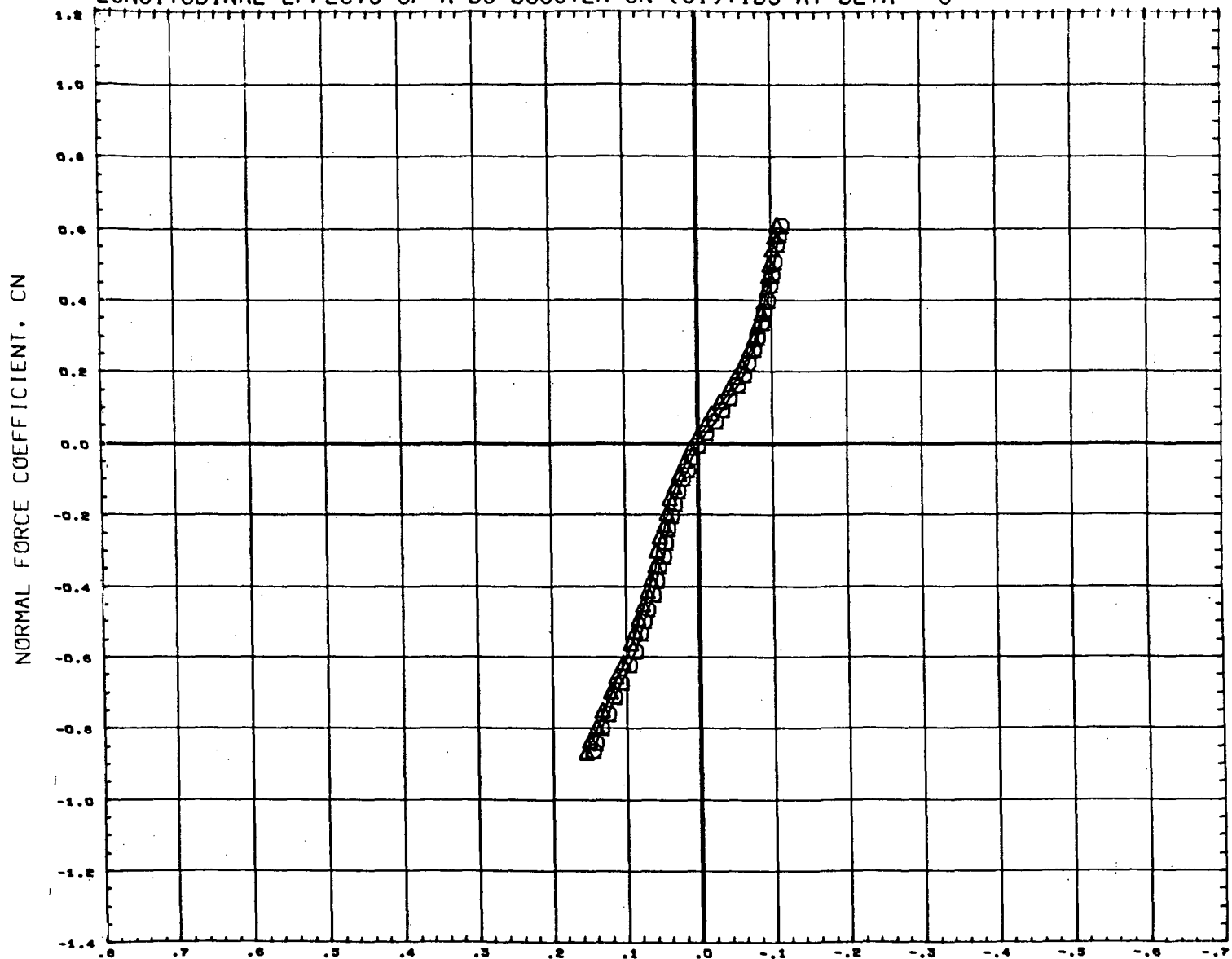


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07429)	MDAC S-222 COMPOSITE(T-CG) (01)T1B5	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07430)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(C07431)	MDAC S-222 COMPOSITE(T-CG) (01)T1B5L (B5R)	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(C07432)	MDAC S-222 COMPOSITE(T-CG) (01)T1 (B5L)B5R	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 712

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01)T1B5 AT BETA = 6



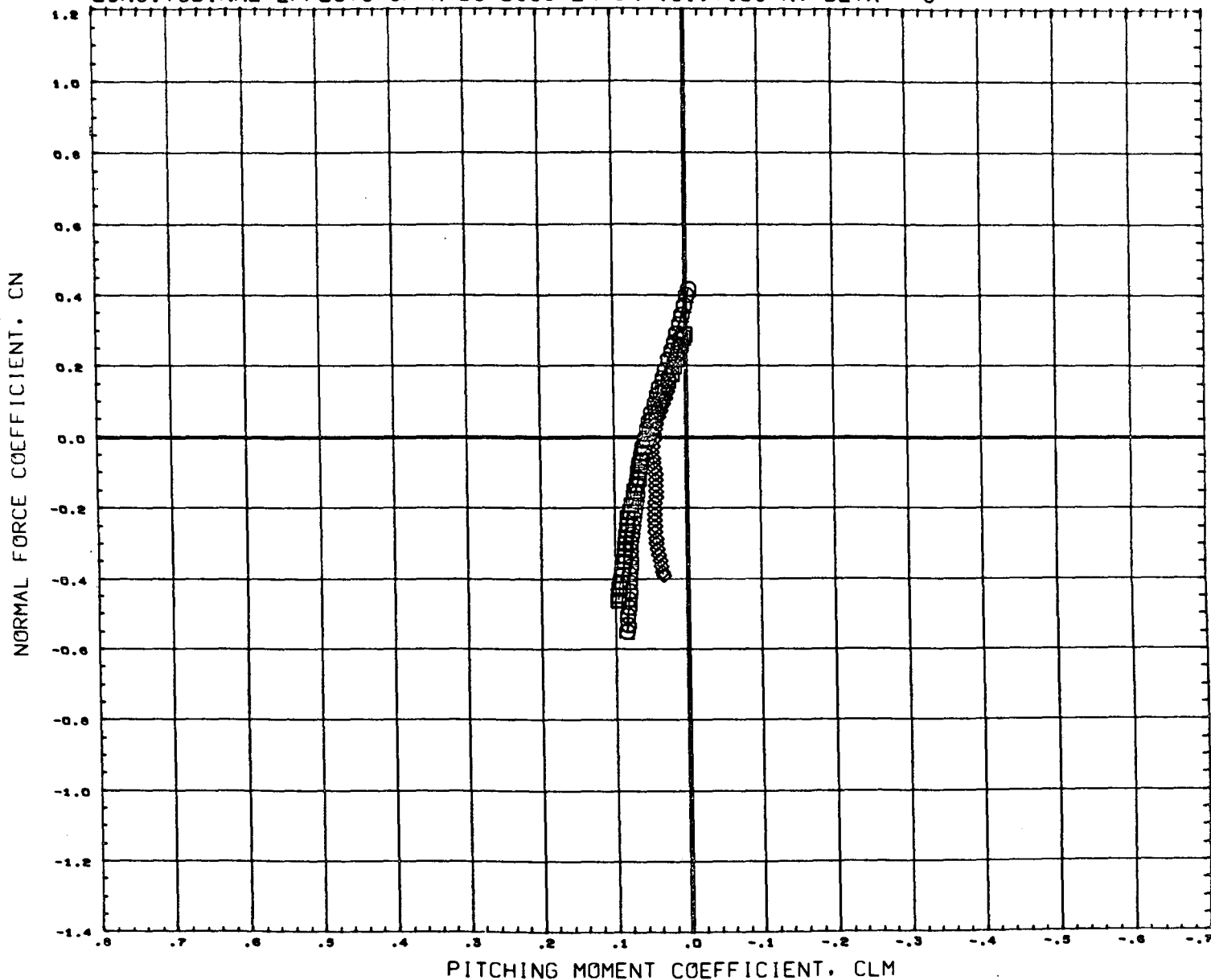
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7429)	MDAC S-222 COMPOSITE(T-CG) (01)T1B5
(CD7430)	MDAC S-222 COMPOSITE(T-CG) (01)T1B5
(CD7431)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(CD7432)	DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.9004 IN.
6.000	0.000	0.000	0.000	BREF	882.0004 IN.
6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 713

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01)T1B5 AT BETA = 6



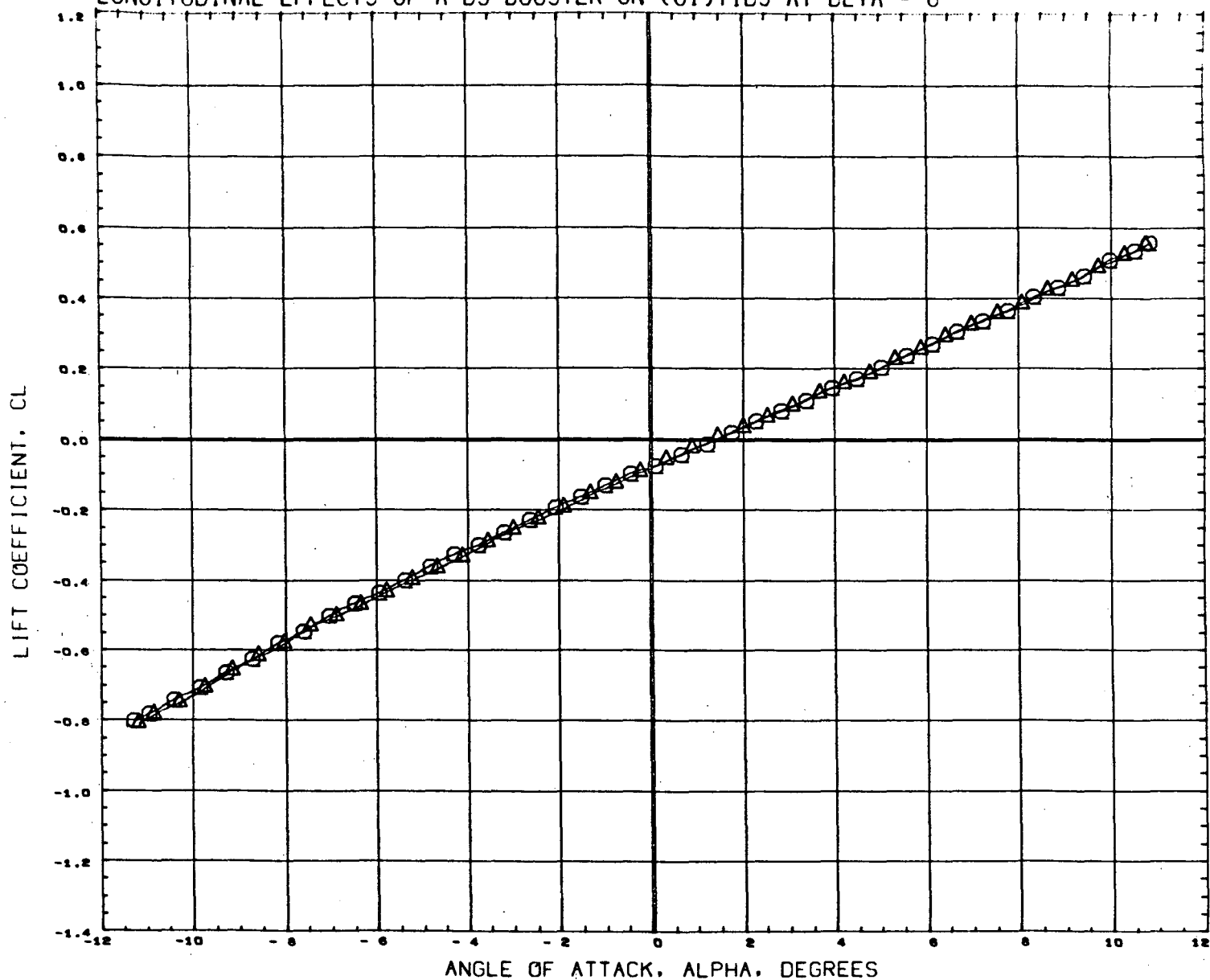
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7429)	MDAC S-222 COMPOSITE(T-CG) (01)T1B5	6.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD7430)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004	IN.
(CD7431)	MDAC S-222 COMPOSITE(T-CG) (01)T1B5L(B5R)	6.000	0.000	0.000	0.000	BREF	882.0004	IN.
(CD7432)	MDAC S-222 COMPOSITE(T-CG) (01)T1(B5L)B5R	6.000	0.000	0.000	0.000	XMRP	997.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH

4.47

PAGE 714

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01)T1B5 AT BETA = 6



DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (C07429)    ○    MDAC S-222 COMPOSITE(T-CG) (01)T1B5  
 (C07430)    △    MDAC S-222 COMPOSITE(T-CG) (01)T1B5  
 (C07431)    ◇    DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (C07432)    □    DATA NOT AVAILABLE FOR ALL CONDITIONS

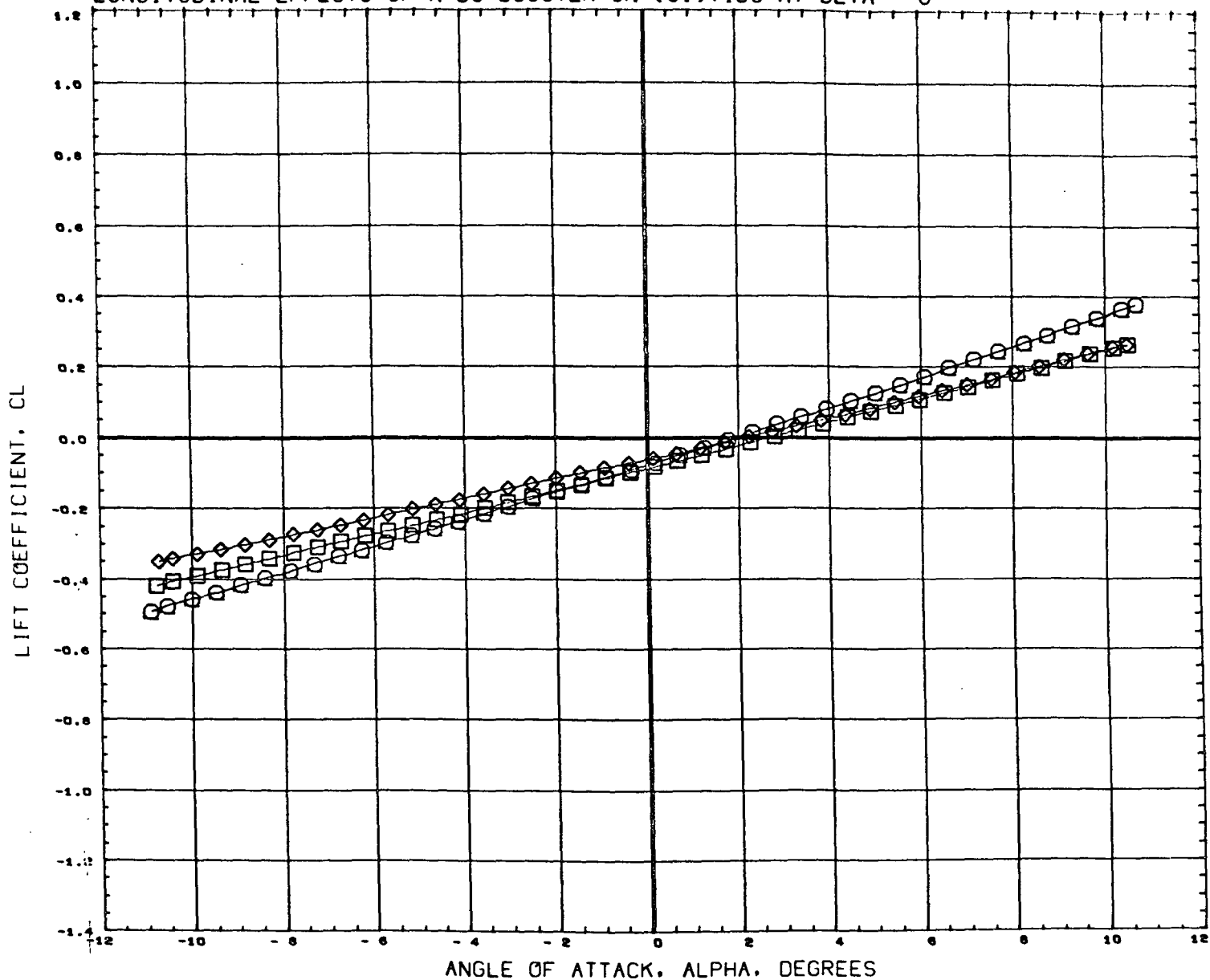
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	809.5004 IN.
6.000	0.000	0.000	0.000	BREF	882.0004 IN.
6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH

1.51

PAGE 715

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01)T1B5 AT BETA = 6



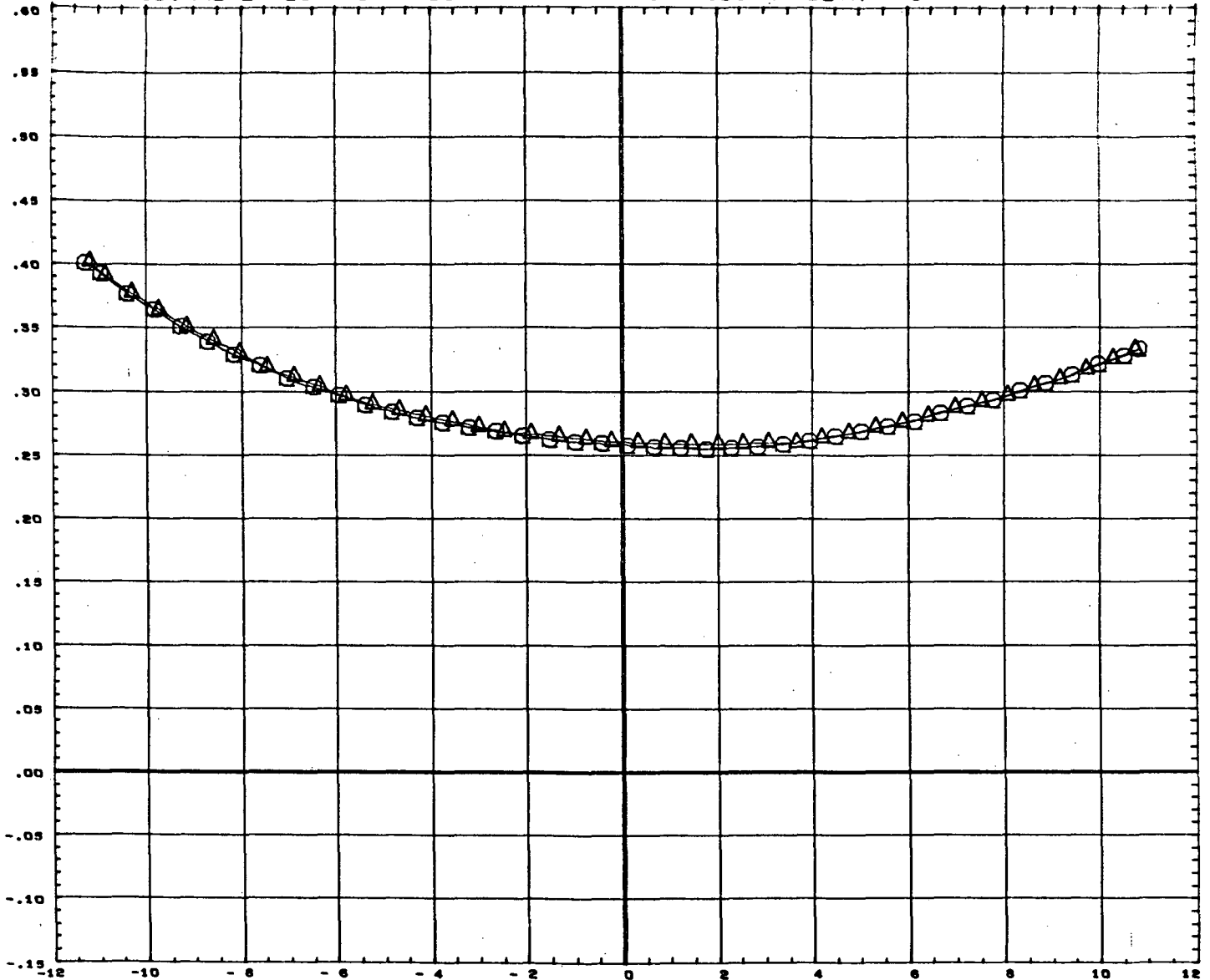
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7429)	MDAC S-222 COMPOSITE(T-CG) (01)T1B5	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7430)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7431)	MDAC S-222 COMPOSITE(T-CG) (01)T1B5L (B5R)	6.000	0.000	0.000	0.000	BREF	662.0004 IN.
(CD7432)	MDAC S-222 COMPOSITE(T-CG) (01)T1 (B5L)B5R	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 716

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01)T1B5 AT BETA = 6

FOREBODY DRAG COEFFICIENT, CDF



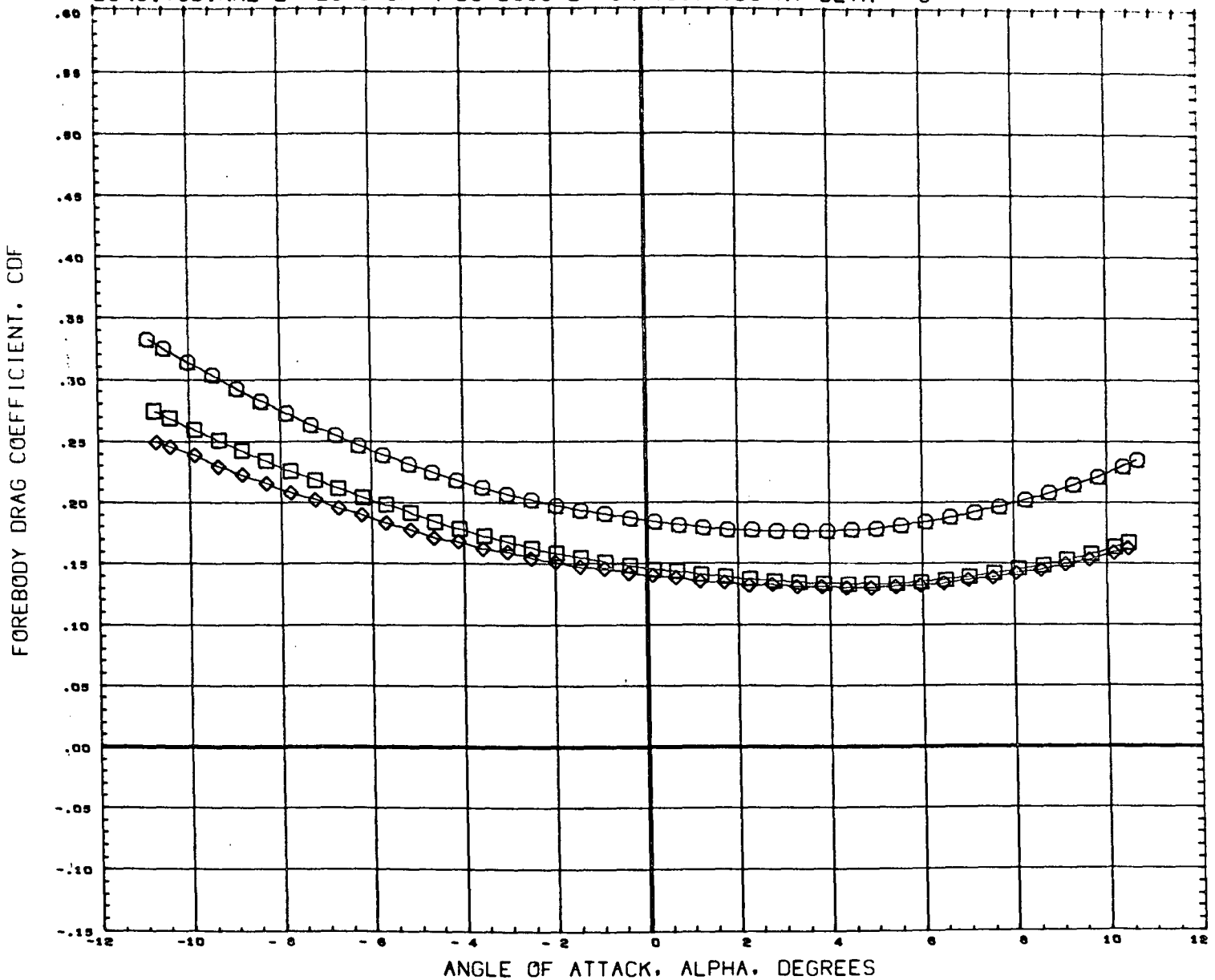
ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7429)	MDAC S-222 COMPOSITE (T-CG) (01)T1B5	6.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD7430)	MDAC S-222 COMPOSITE (T-CG) (01)T1B5	6.000	0.000	0.000	0.000	LREF	609.5004	IN.
(CD7431)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BREF	882.0004	IN.
(CD7432)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH 1.51

PAGE 717

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01)T1B5 AT BETA = 6

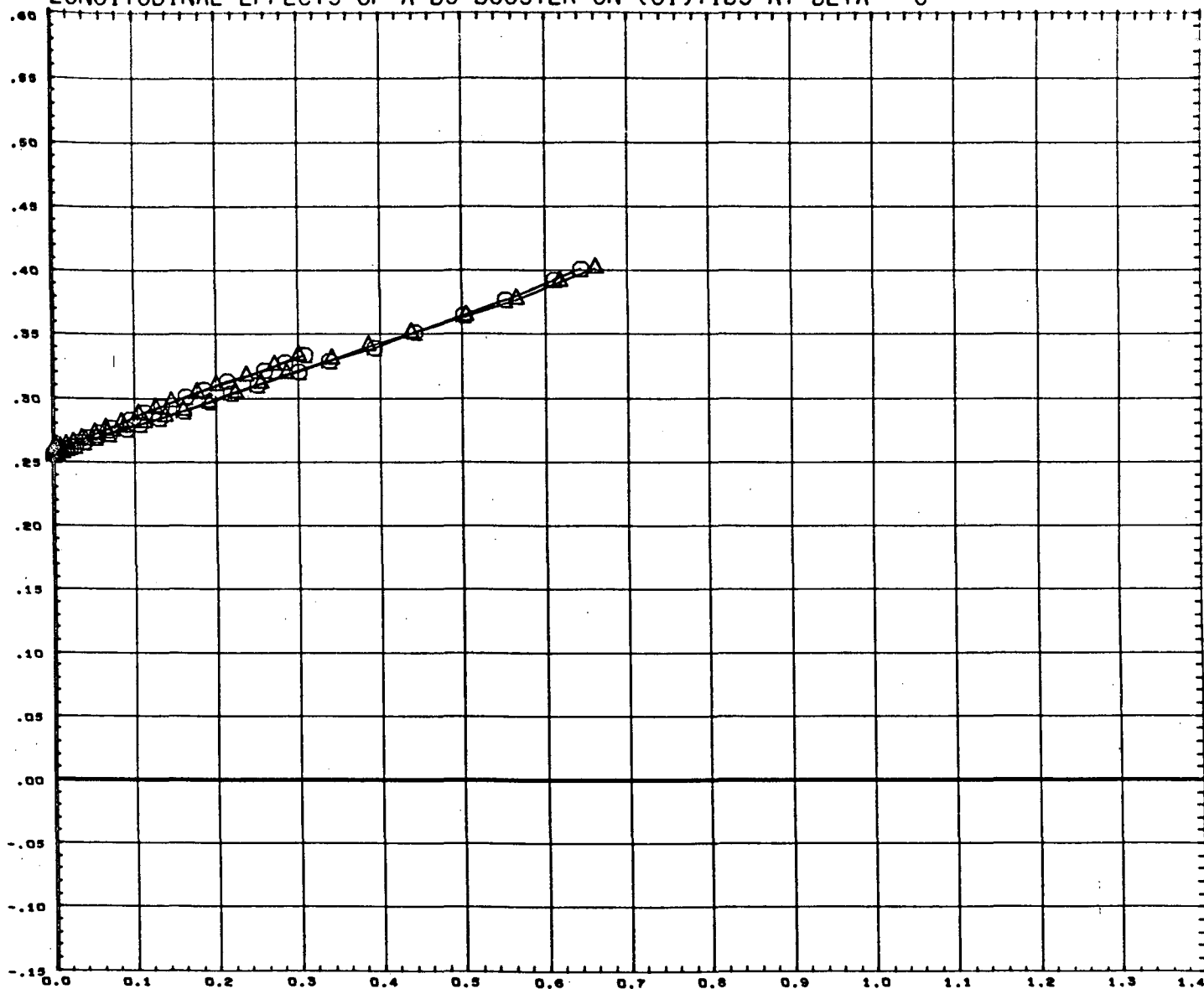


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7429)	MDAC S-222 COMPOSITE (T-CG) (01)T1B5	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7430)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7431)	MDAC S-222 COMPOSITE (T-CG) (01)T1B5L (B5R)	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(CD7432)	MDAC S-222 COMPOSITE (T-CG) (01)T1 (B5L)B5R	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060



# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01)T1B5 AT BETA = 6

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQR

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7429)	MDAC S-222 COMPOSITE (T-CG) (01)T1B5
(CD7430)	MDAC S-222 COMPOSITE (T-CG) (01)T1B5
(CD7431)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(CD7432)	DATA NOT AVAILABLE FOR ALL CONDITIONS

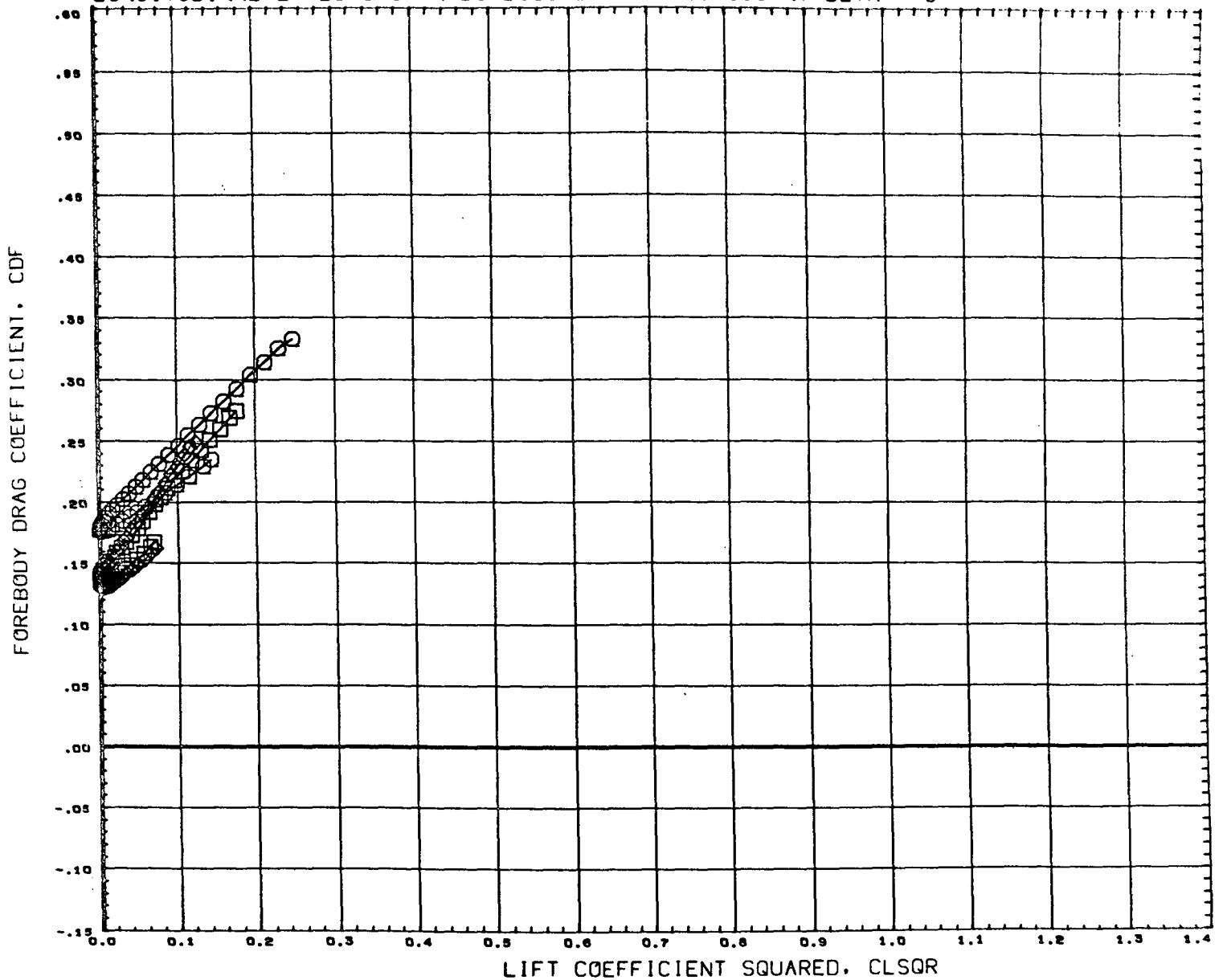
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
6.000	0.000	0.000	0.000	BREF	882.0004 IN.
6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH

1.51

PAGE 719

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01)T1B5 AT BETA = 6



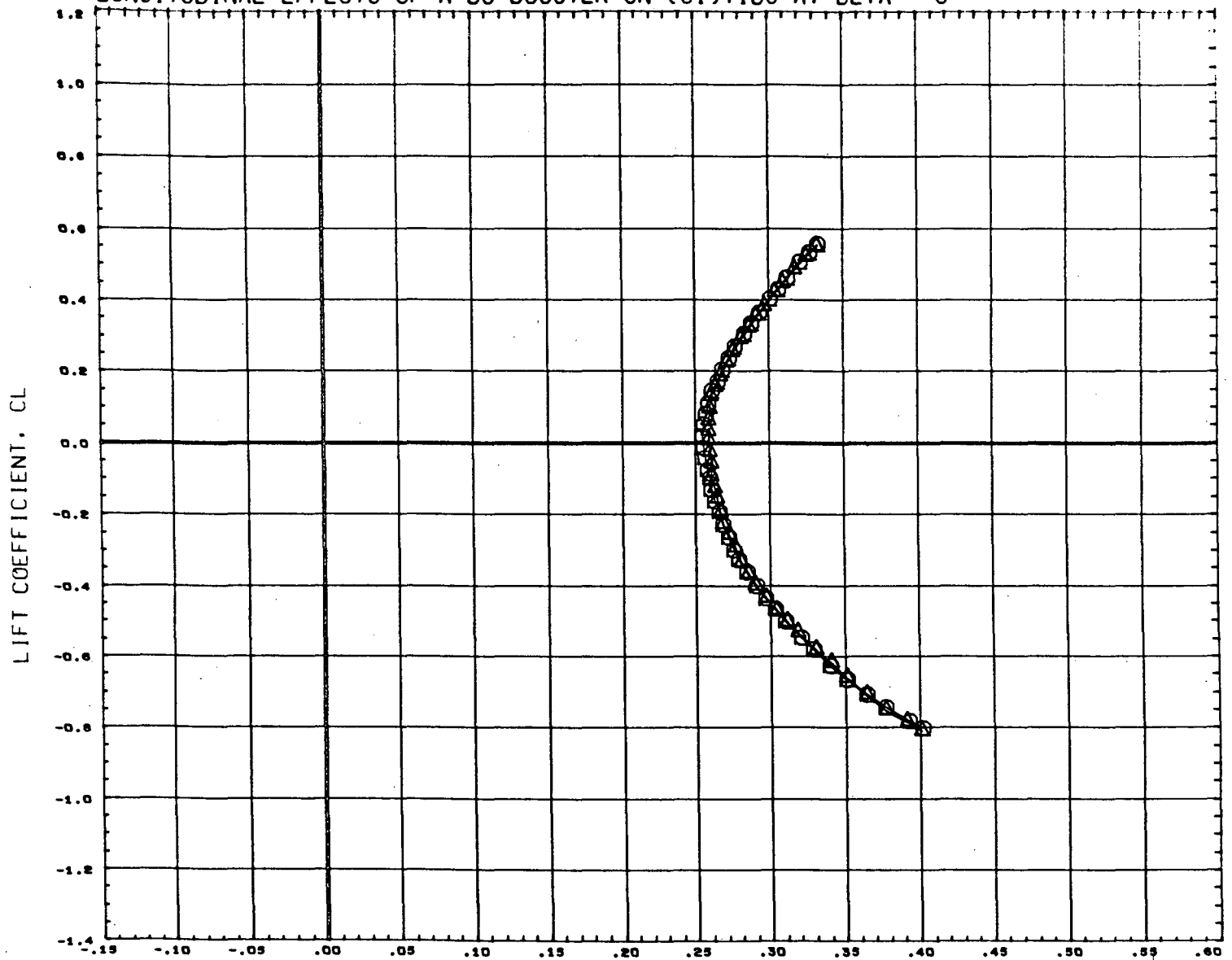
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7429)	MDAC S-222 COMPOSITE (T-CG) (01)T1B5	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7430)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7431)	MDAC S-222 COMPOSITE (T-CG) (01)T1B5L(B5R)	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(CD7432)	MDAC S-222 COMPOSITE (T-CG) (01)T1(B5L)B5R	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0080

MACH

4.47

PAGE 720

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01)T1B5 AT BETA = 6



FOREBODY DRAG COEFFICIENT, CDF

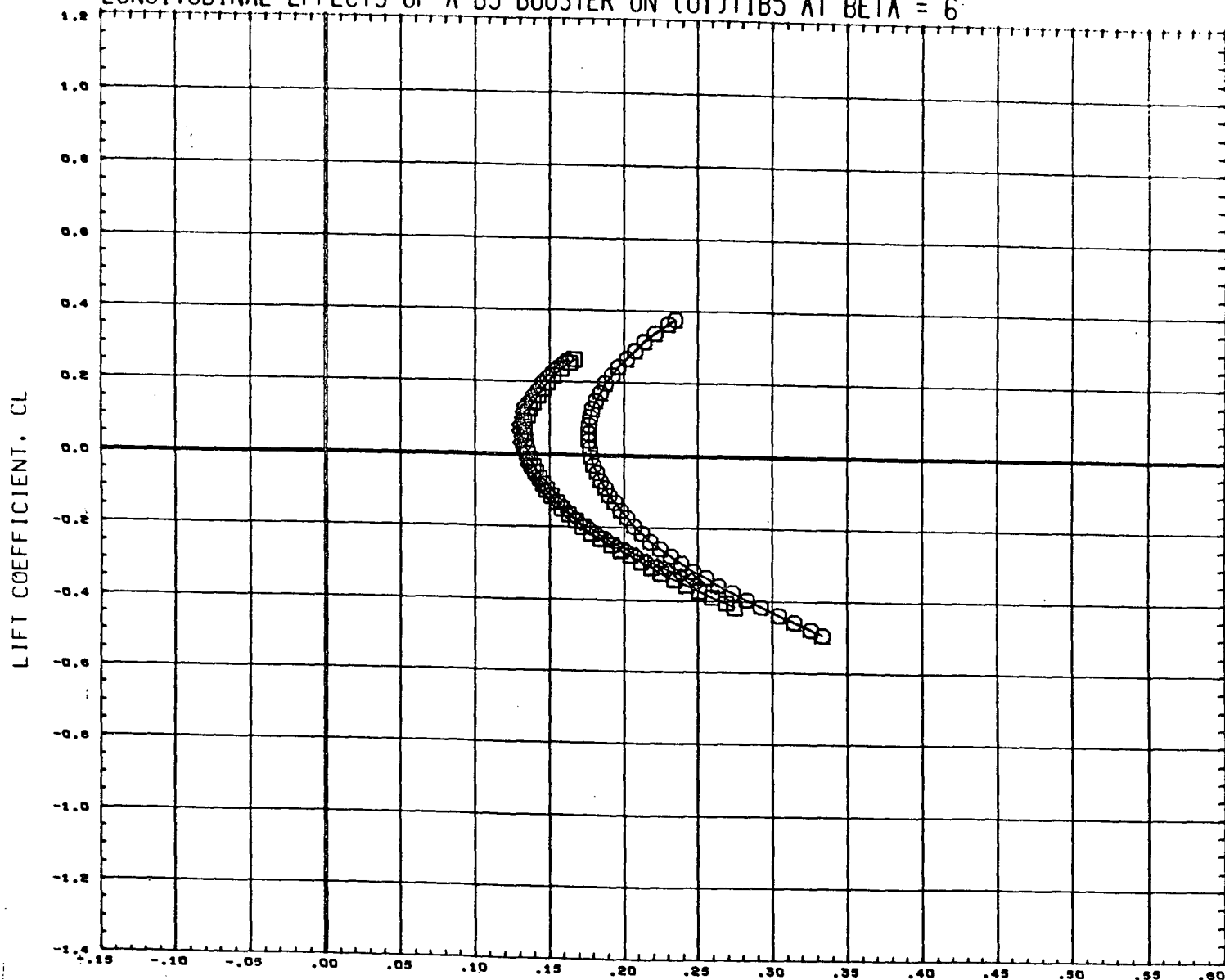
DATA SET SYMBOL      CONFIGURATION DESCRIPTION  
 (CD7429)      ○      MDAC S-222 COMPOSITE (T-CG) (01)T1B5  
 (CD7430)      △      MDAC S-222 COMPOSITE (T-CG) (01)T1B5  
 (CD7431)      ◇      DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (CD7432)      □      DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
6.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004	IN.
6.000	0.000	0.000	0.000	BREF	882.0004	IN.
6.000	0.000	0.000	0.000	XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH      1.51

PAGE      721

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01)T1B5 AT BETA = 6

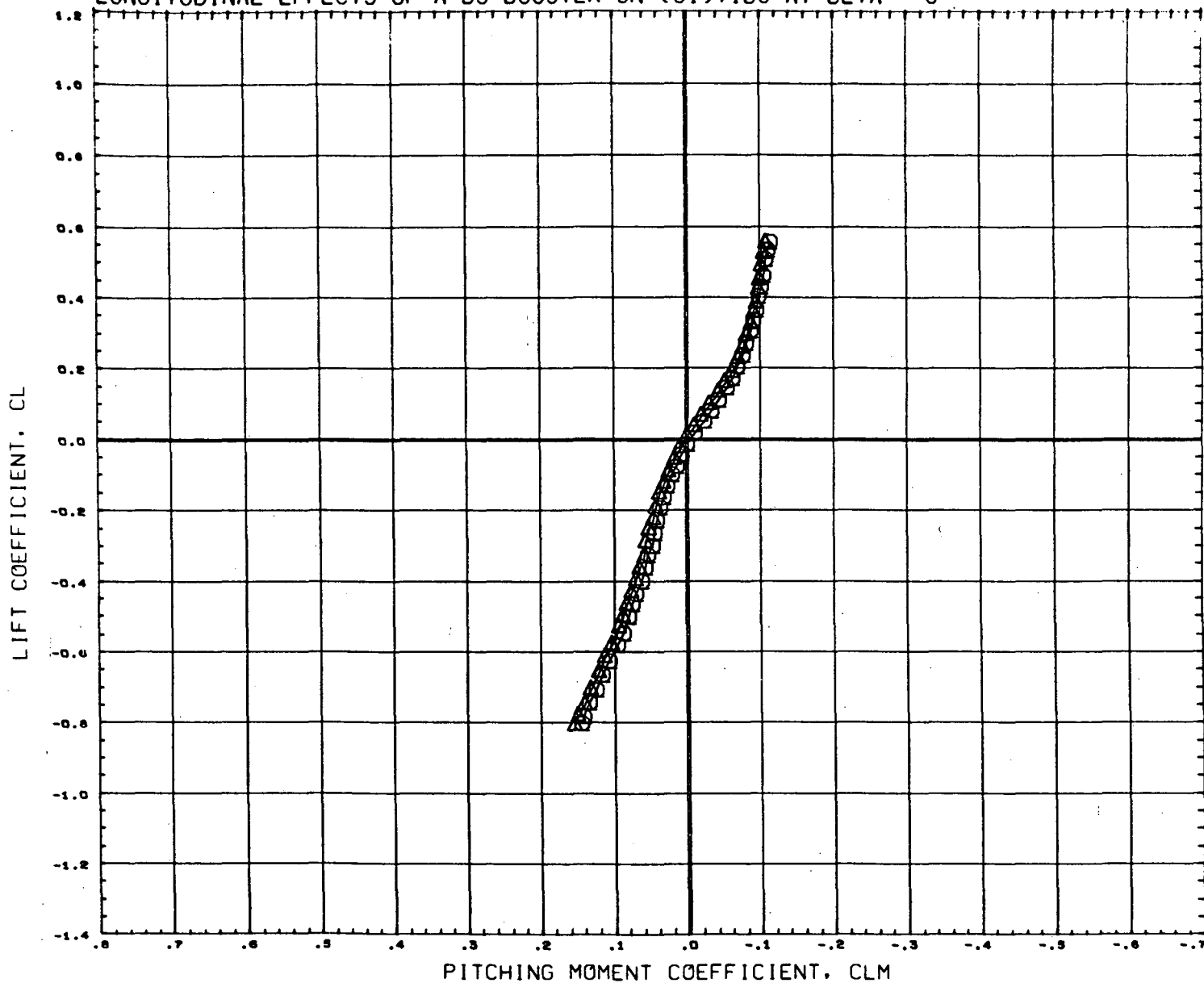


FOREBODY DRAG COEFFICIENT, CDF

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7429)	MDAC S-222 COMPOSITE (T-CG) (01)T1B5	6.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD7430)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004	IN.
(CD7431)	MDAC S-222 COMPOSITE (T-CG) (01)T1B5L (B5R)	6.000	0.000	0.000	0.000	BREF	882.0004	IN.
(CD7432)	MDAC S-222 COMPOSITE (T-CG) (01)T1 (B5L)B5R	6.000	0.000	0.000	0.000	XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH 4.47

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01)T1B5 AT BETA = 6

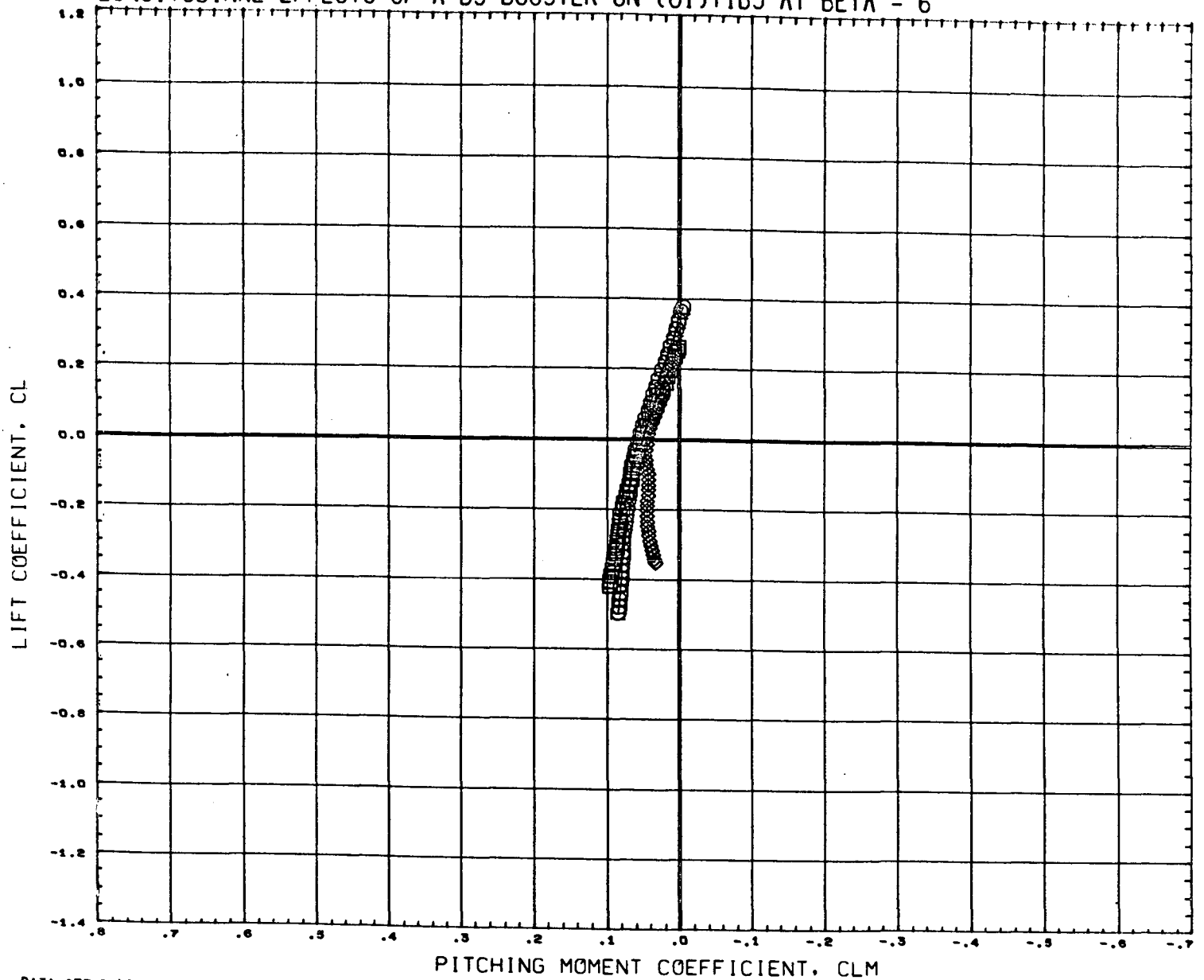


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07429)	MDAC S-222 COMPOSITE(T-CG) (01)T1B5	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07430)	MDAC S-222 COMPOSITE(T-CG) (01)T1B5	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(C07431)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BREF	862.0004 IN.
(C07432)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

PAGE 723

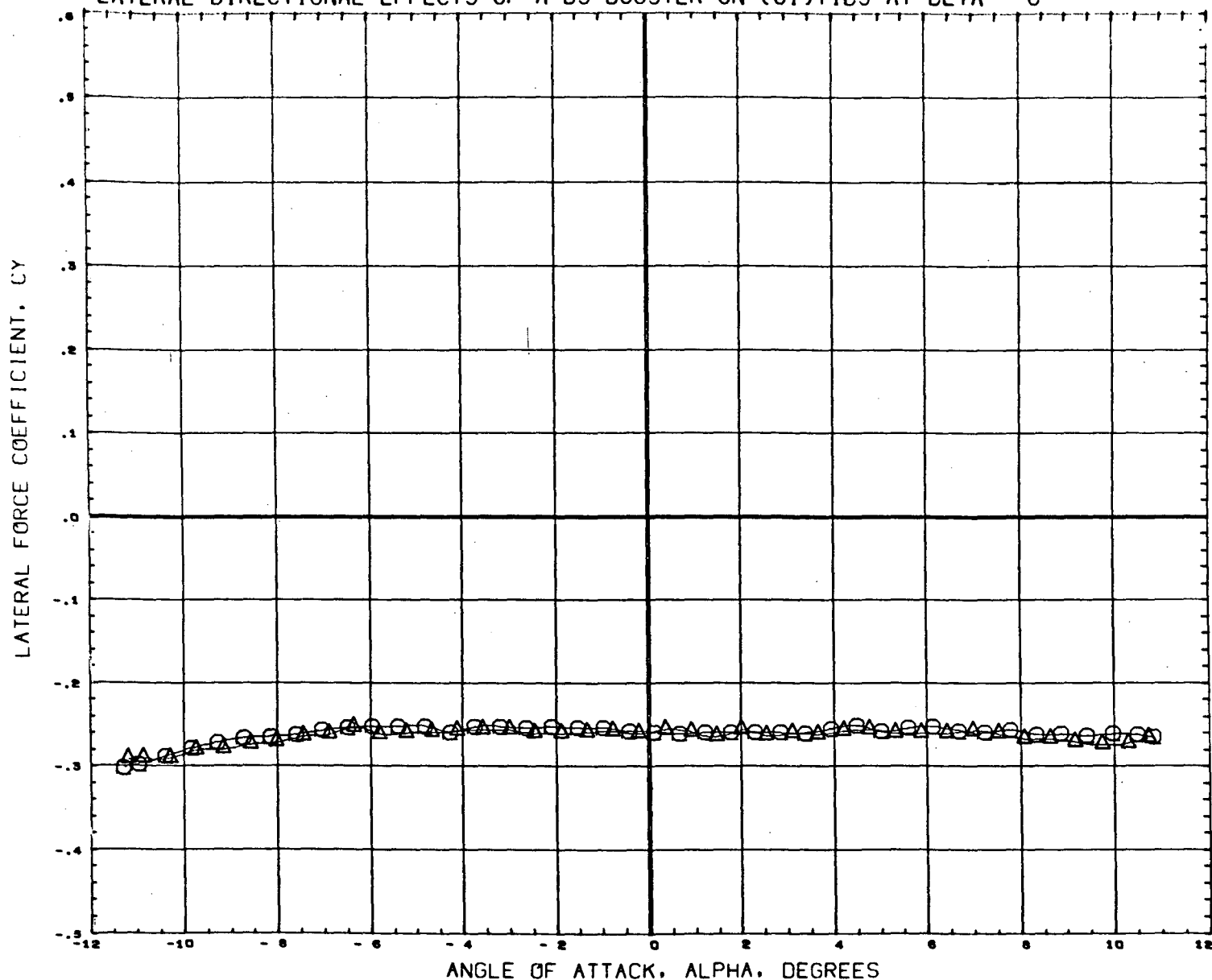
# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01)T1B5 AT BETA = 6



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7429)	○	MDAC S-222 COMPOSITE(T-CG) (01)T1B5	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7430)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7431)	◇	MDAC S-222 COMPOSITE(T-CG) (01)T1B5L(B5R)	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(CD7432)	□	MDAC S-222 COMPOSITE(T-CG) (01)T1(B5L)B5R	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
							YMRP	0.0000 IN.
							ZMRP	200.0004 IN.
							SCALE	0.0060

MACH 4.47

# LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01)T1B5 AT BETA = 6

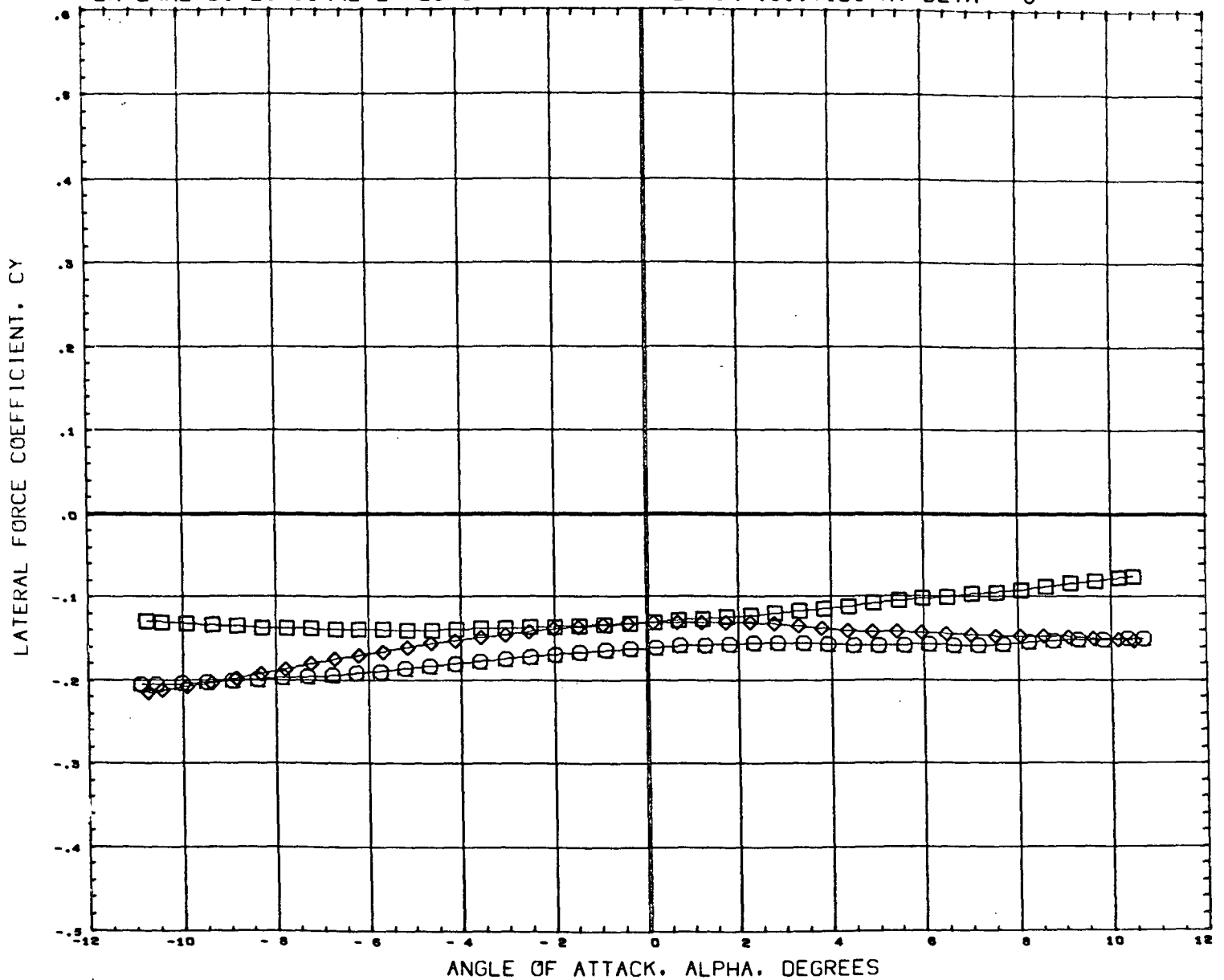


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7429)	MDAC S-222 COMPOSITE (T-CG) (01)T1B5	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7430)	MDAC S-222 COMPOSITE (T-CG) (01)T1B5	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7431)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	BREF	862.0004 IN.
(RD7432)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	XMRP	357.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

PAGE 725

# LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01)T1B5 AT BETA = 6



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7429)	○	MDAC S-222 COMPOSITE (T-CG) (01)T1B5	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7430)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7431)	◇	MDAC S-222 COMPOSITE (T-CG) (01)T1B5L (B5R)	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(RD7432)	□	MDAC S-222 COMPOSITE (T-CG) (01)T1 (B5L)B5R	6.000	0.000	0.000	0.000	XMRP	957.0004 IN.
							YMRP	0.0000 IN.
							ZMRP	200.0004 IN.
							SCALE	0.0060

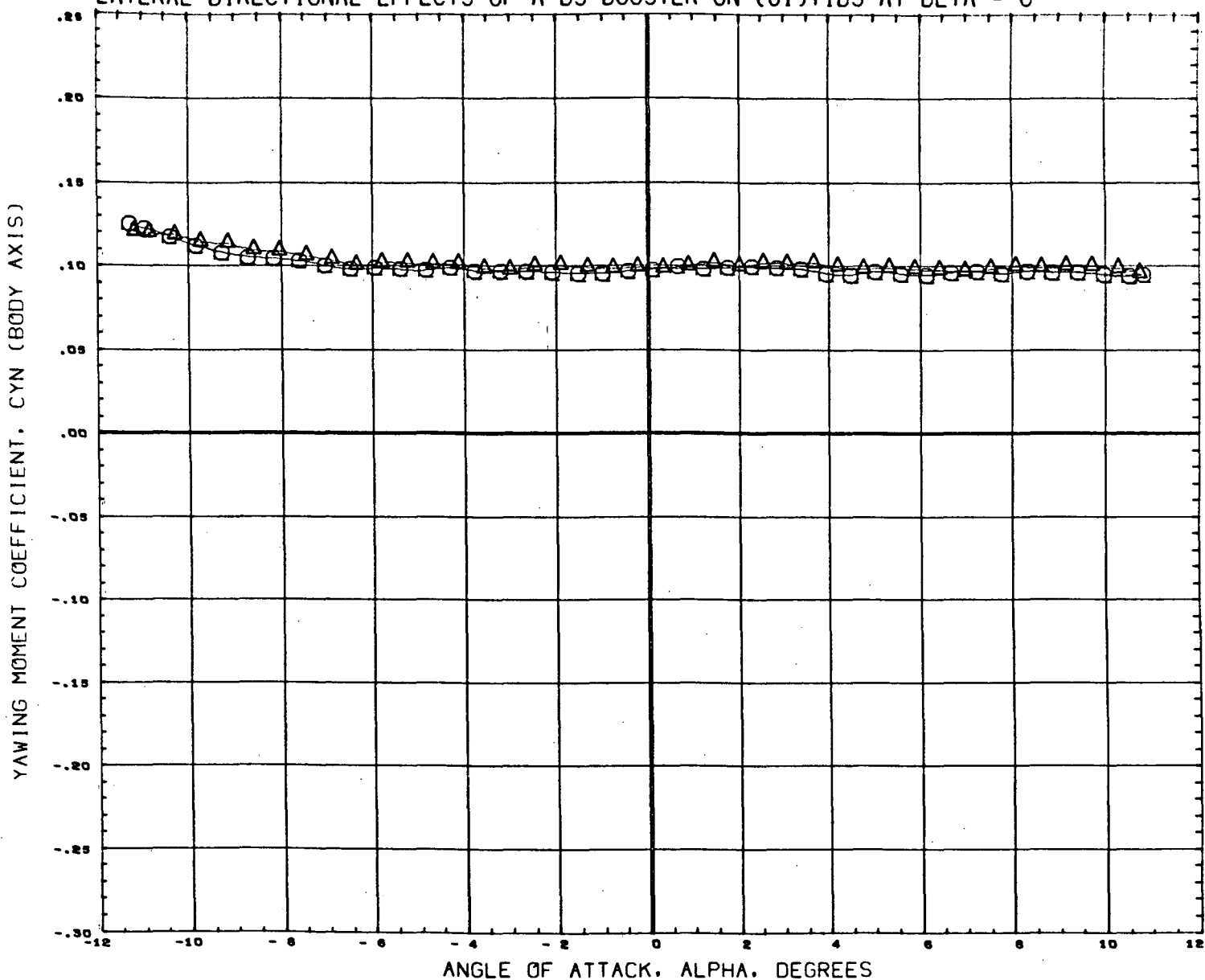
MACH

4.47

PAGE 726



# LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01)T1B5 AT BETA = 6



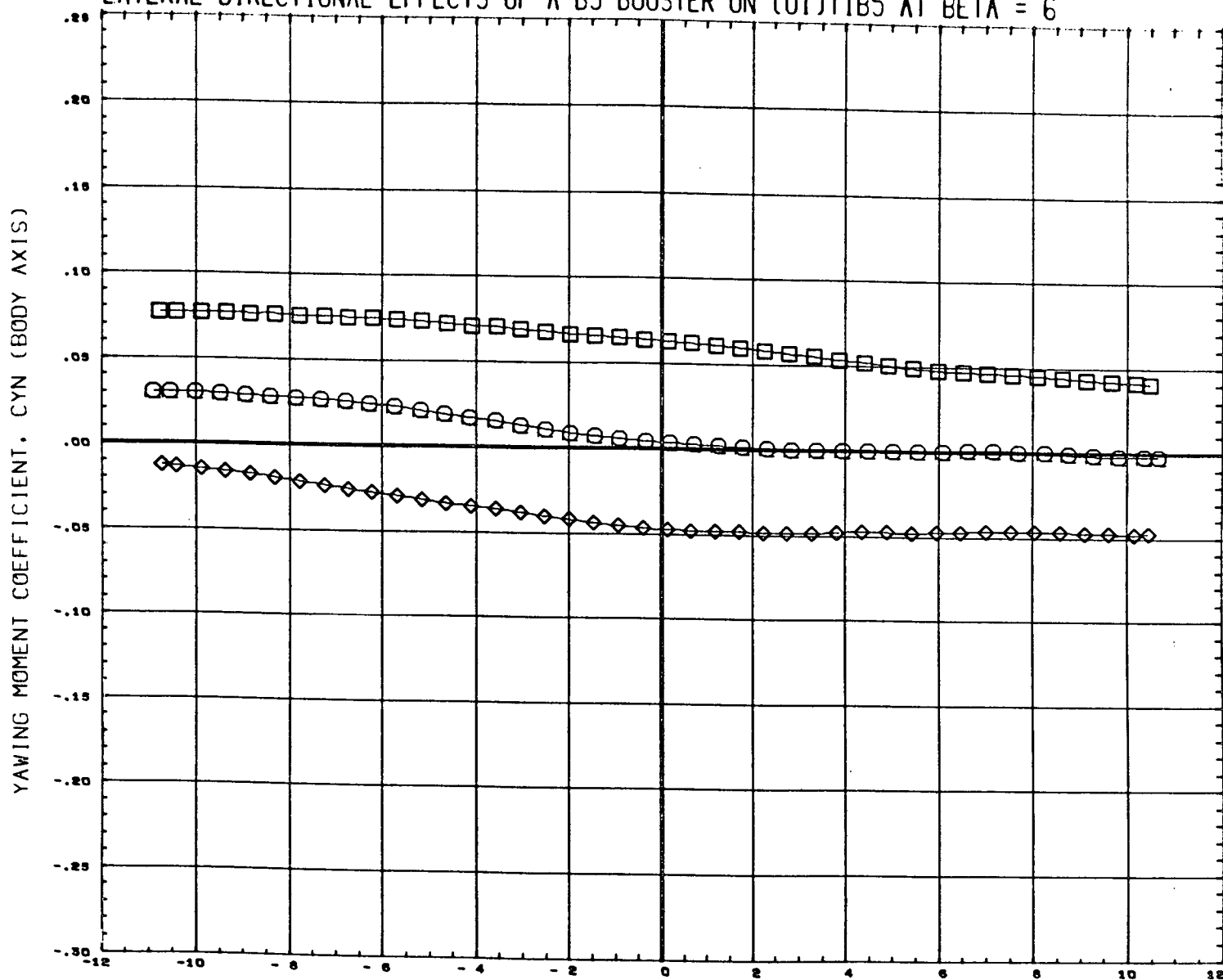
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (RD7429)    ○    MDAC S-222 COMPOSITE(T-CG) (01)T1B5  
 (RD7430)    △    MDAC S-222 COMPOSITE(T-CG) (01)T1B5  
 (RD7431)    ◇    DATA NOT AVAILABLE FOR ALL CONDITIONS  
 (RD7432)    □    DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	809.5004 IN.
6.000	0.000	0.000	0.000	BREF	882.0004 IN.
6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0080

MACH      1.51

PAGE    727

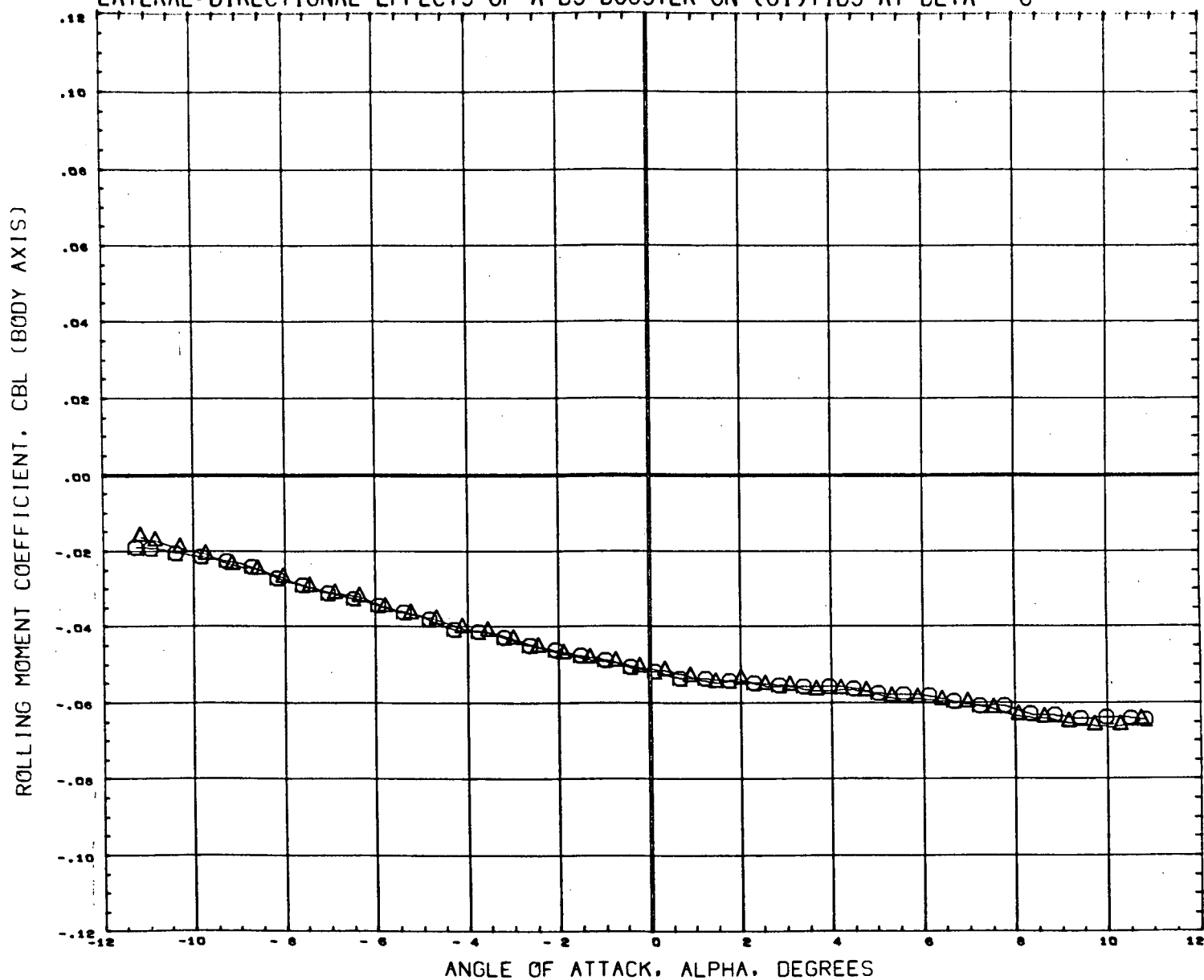
# LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01)T1B5 AT BETA = 6



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7429)	○	MDAC S-222 COMPOSITE(T-CG) (01)T1B5	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7430)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7431)	◇	MDAC S-222 COMPOSITE(T-CG) (01)T1B5L(B5R)	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(RD7432)	□	MDAC S-222 COMPOSITE(T-CG) (01)T1(B5L)B5R	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
							YMRP	0.0000 IN.
							ZMRP	200.0004 IN.
							SCALE	0.0060

MACH 4.47

# LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01)T1B5 AT BETA = 6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD7429)	MDAC S-222 COMPOSITE (T-CG) (01)T1B5
(RD7430)	MDAC S-222 COMPOSITE (T-CG) (01)T1B5
(RD7431)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(RD7432)	DATA NOT AVAILABLE FOR ALL CONDITIONS

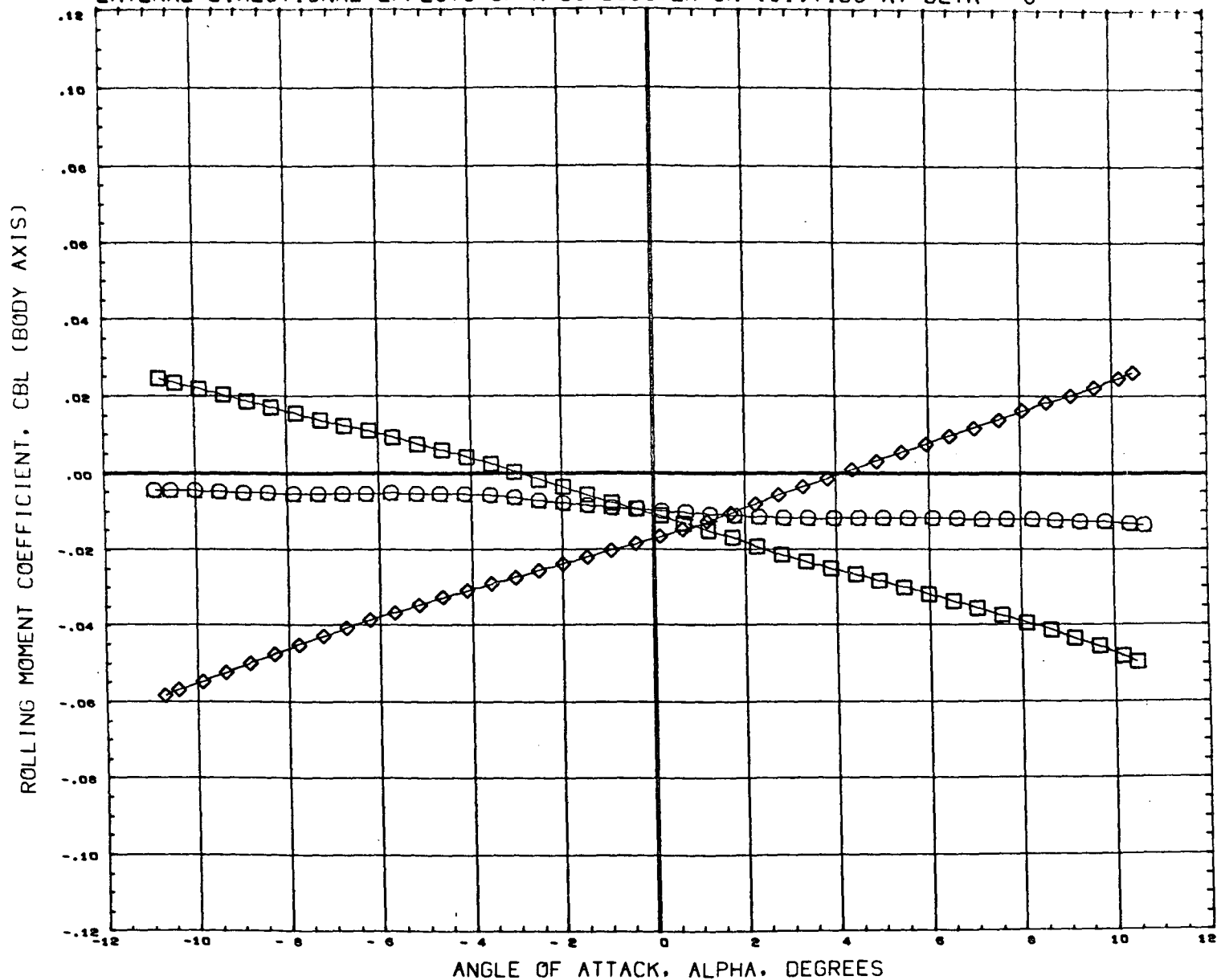
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
6.000	0.000	0.000	0.000	BREF	662.0004 IN.
6.000	0.000	0.000	0.000	XMRP	937.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH

1.51

PAGE 729

# LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01)T1B5 AT BETA = 6

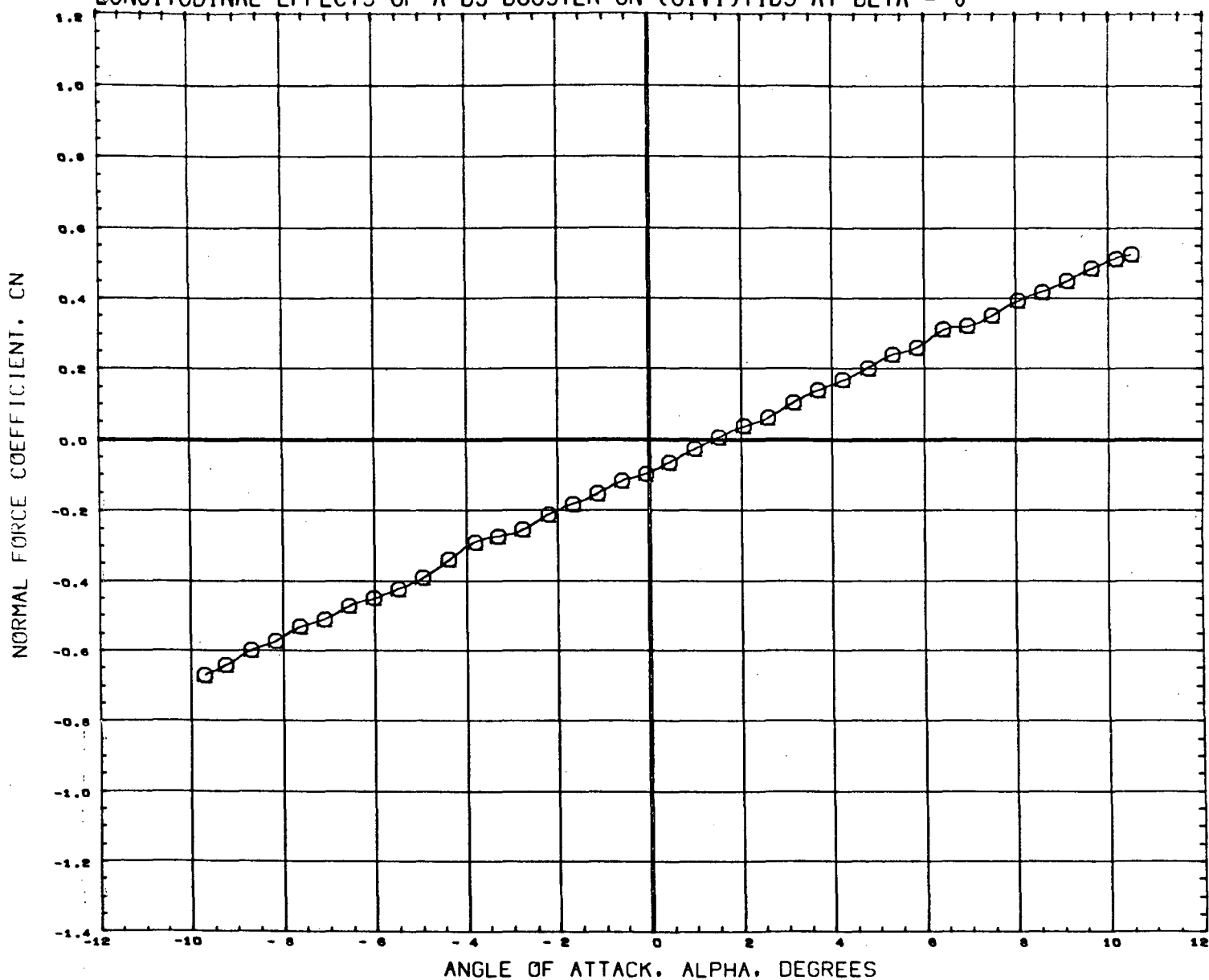


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7429)	MDAC S-222 COMPOSITE (T-CG) (01)T1B5	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7430)	DATA NOT AVAILABLE FOR ALL CONDITIONS	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7431)	MDAC S-222 COMPOSITE (T-CG) (01)T1B5L (B5R)	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
(RD7432)	MDAC S-222 COMPOSITE (T-CG) (01)T1 (B5L)B5R	6.000	0.000	0.000	0.000	XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 730

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0



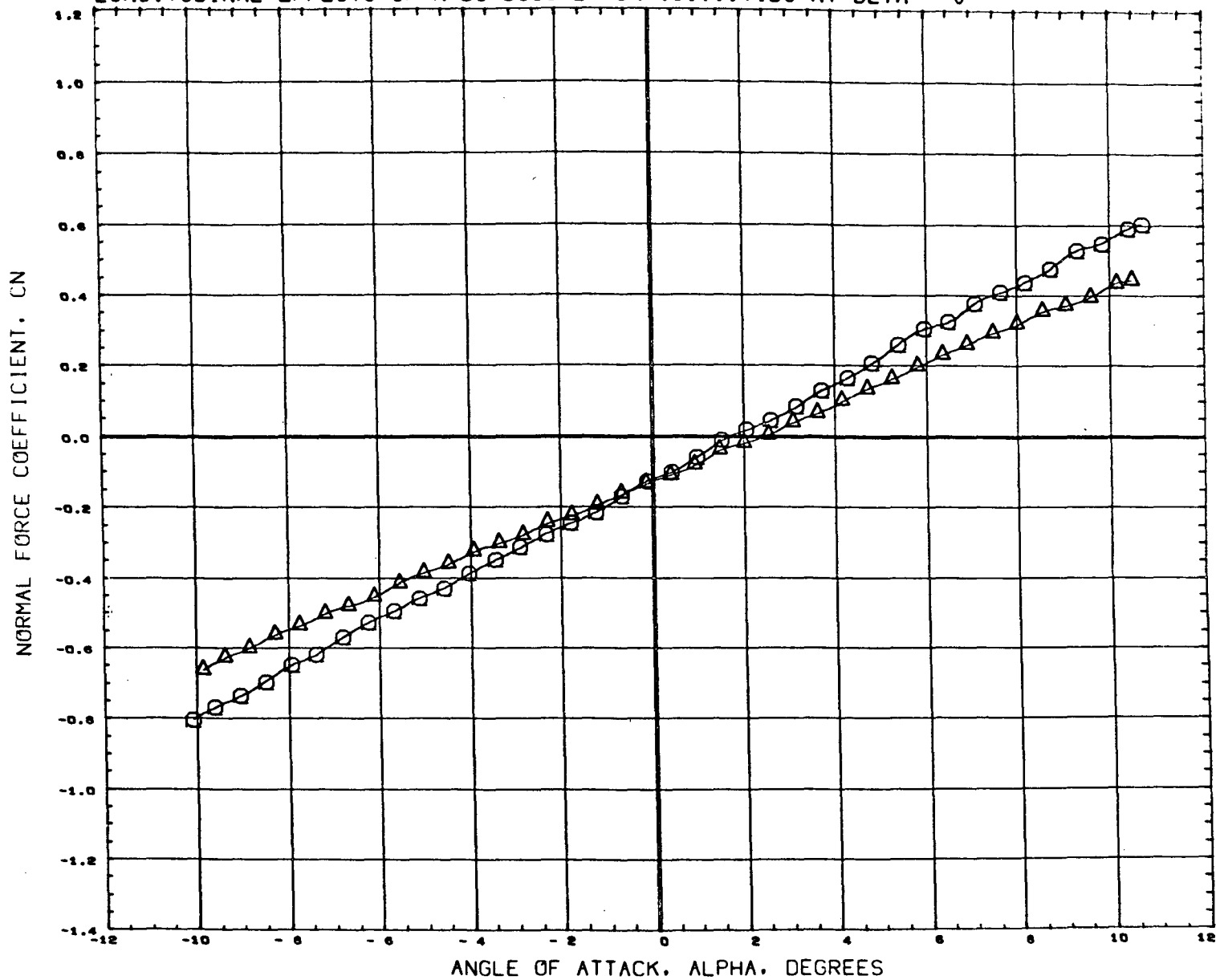
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
(CD7433)    MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5  
(CD7437)    DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	997.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .59

PAGE 731

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7433) ○ MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5  
 (CD7437) △ MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5L (B5R)

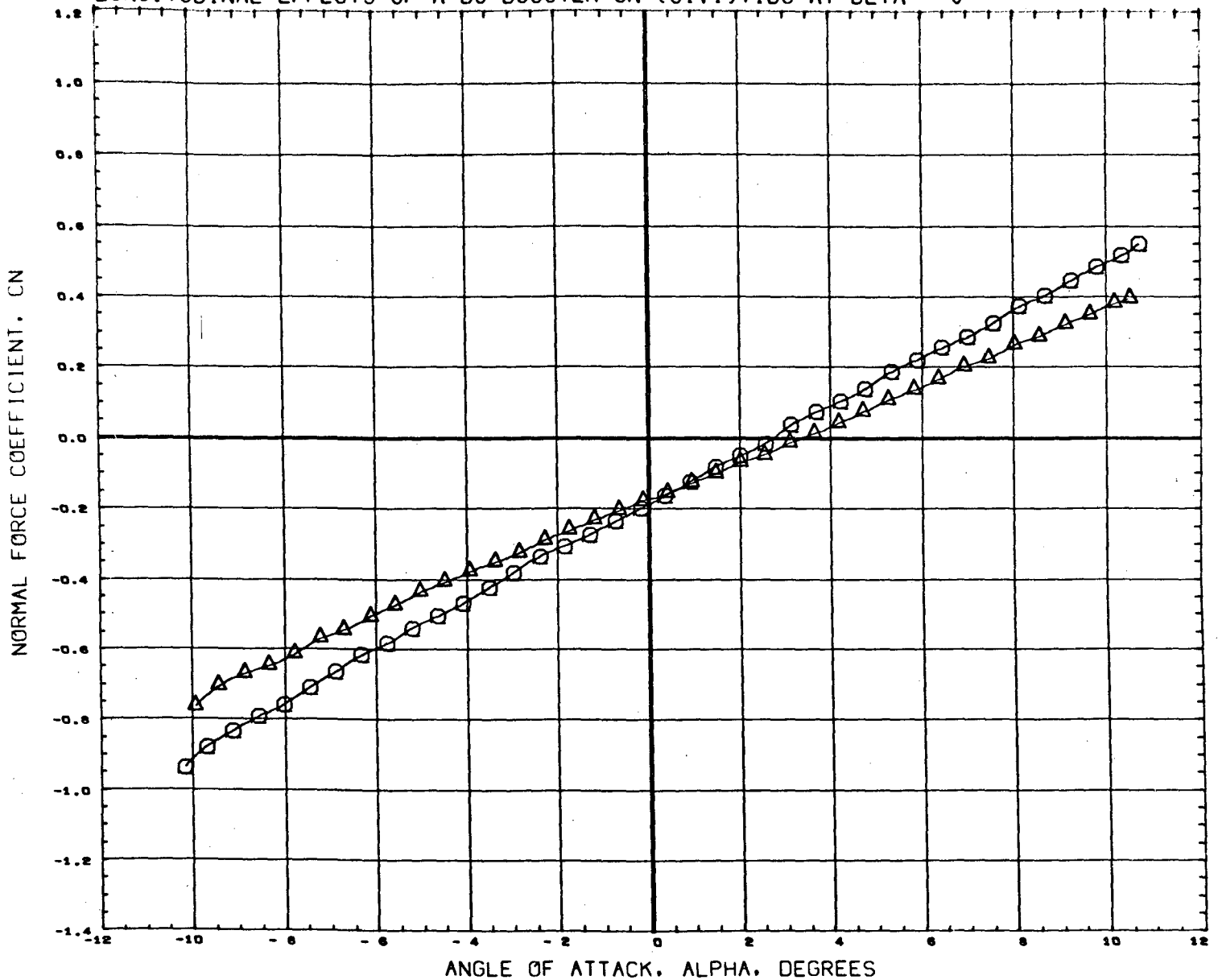
BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 0.000 0.000 0.000 0.000

REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 669.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 997.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH .90

PAGE 732

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 AT BETA = 0

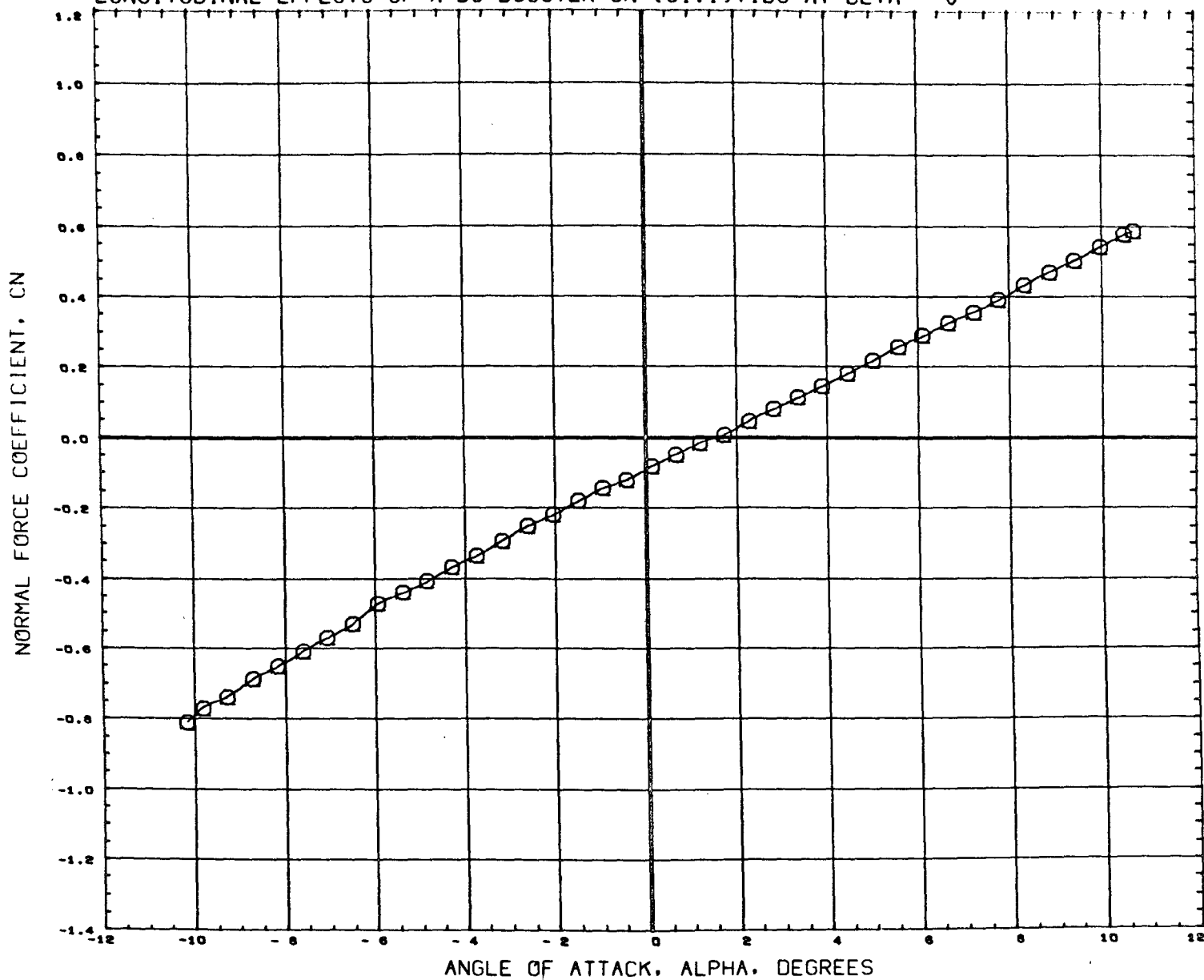


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7433)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD7437)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T1B5L(B5R)	0.000	0.000	0.000	0.000	LREF	609.3004	IN.
						BREF	882.0004	IN.
						XMRF	957.0004	IN.
						YMRF	0.0000	IN.
						ZMRF	200.0004	IN.
						SCALE	0.0060	

MACH 1.10

PAGE 733

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0



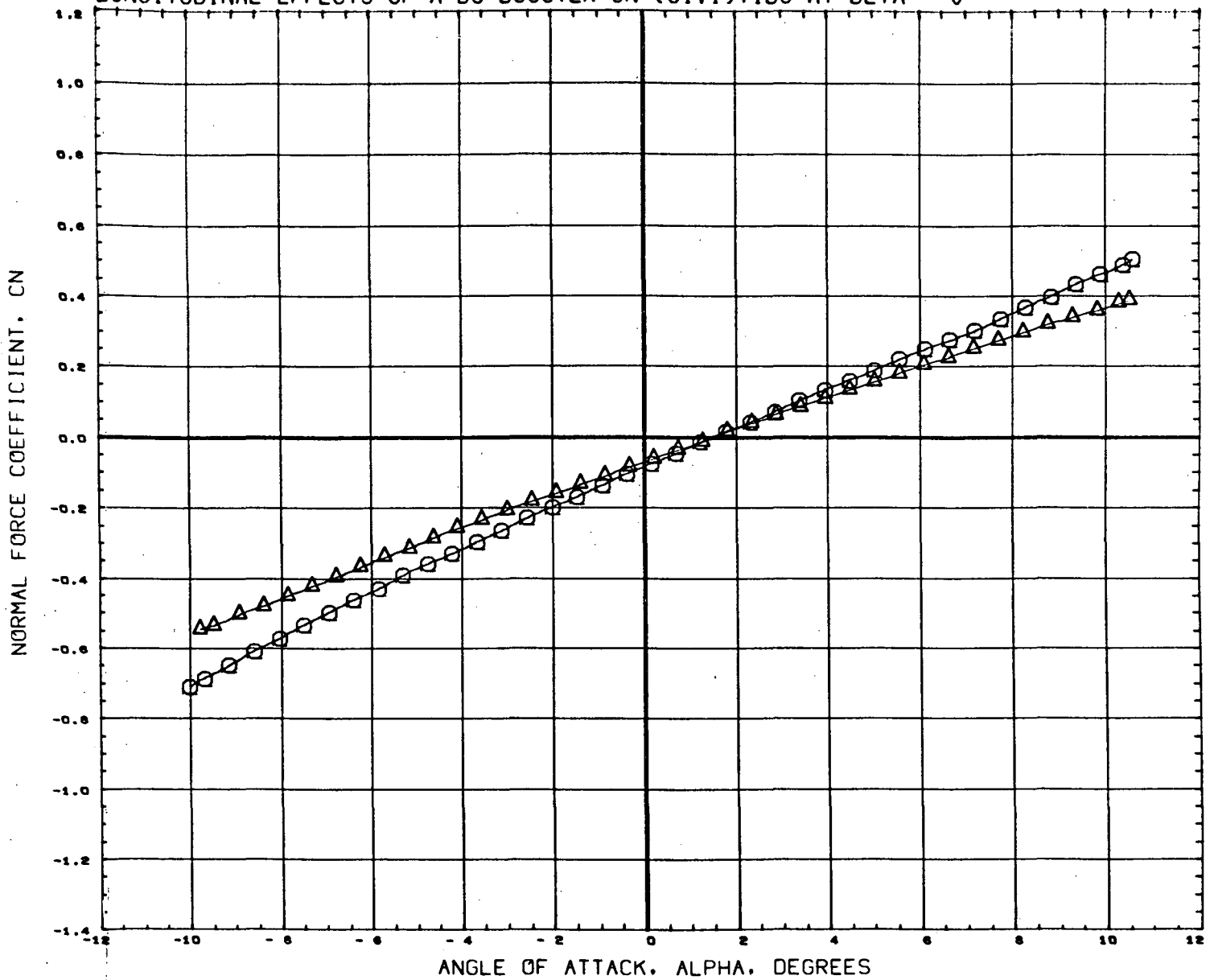
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7433)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7437)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	957.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

PAGE 734



# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0



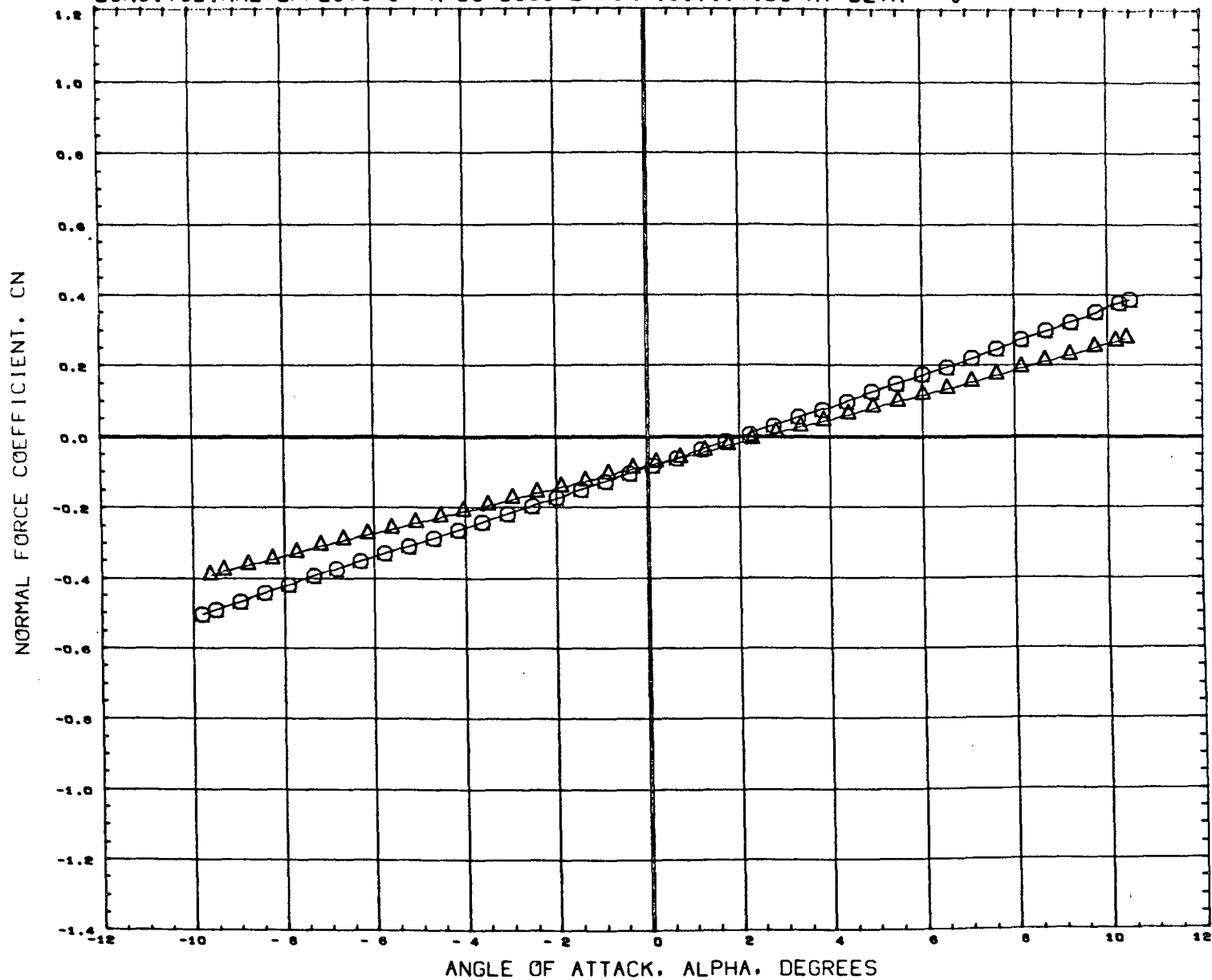
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7433) (01V1)T1B5  
 (CD7437) (01V1)T1B5L (B5R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

PAGE 735

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 AT BETA = 0

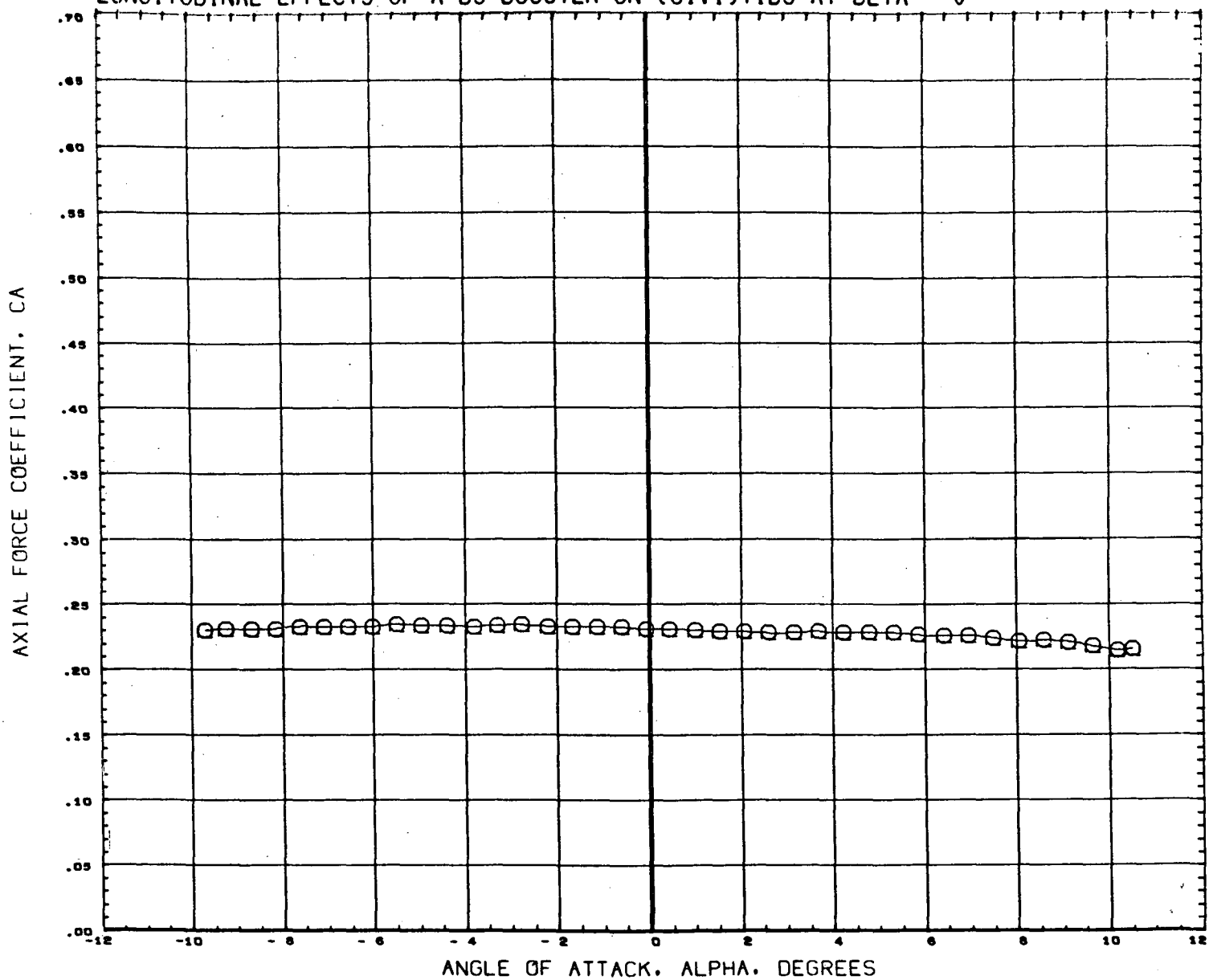


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7433)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7437)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 736

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0



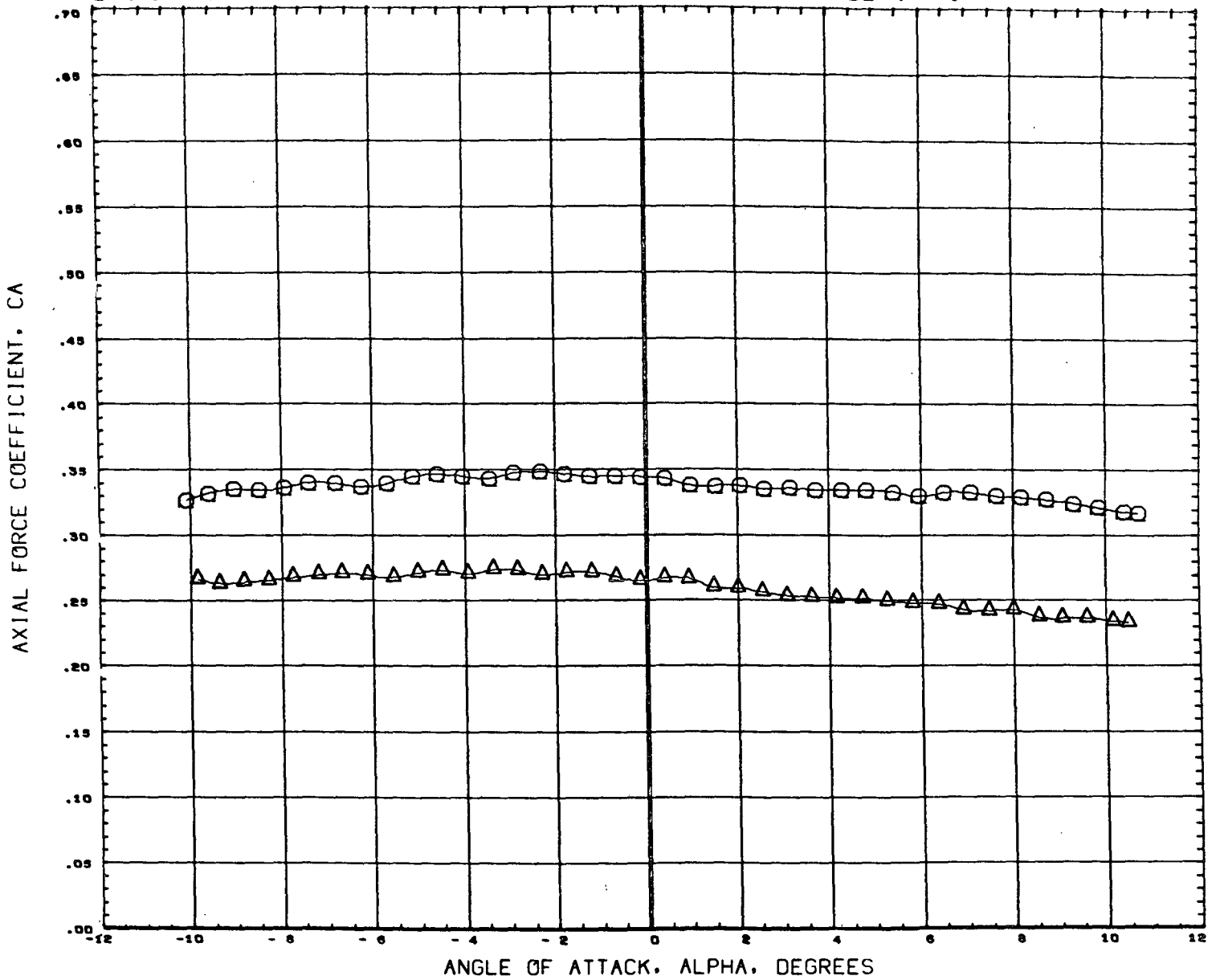
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7433)    MDAC S-222 COMPOSITE(T-CG) (01V1)T1B5  
 (CD7437)    DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0080

MACH .59

PAGE 737

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0

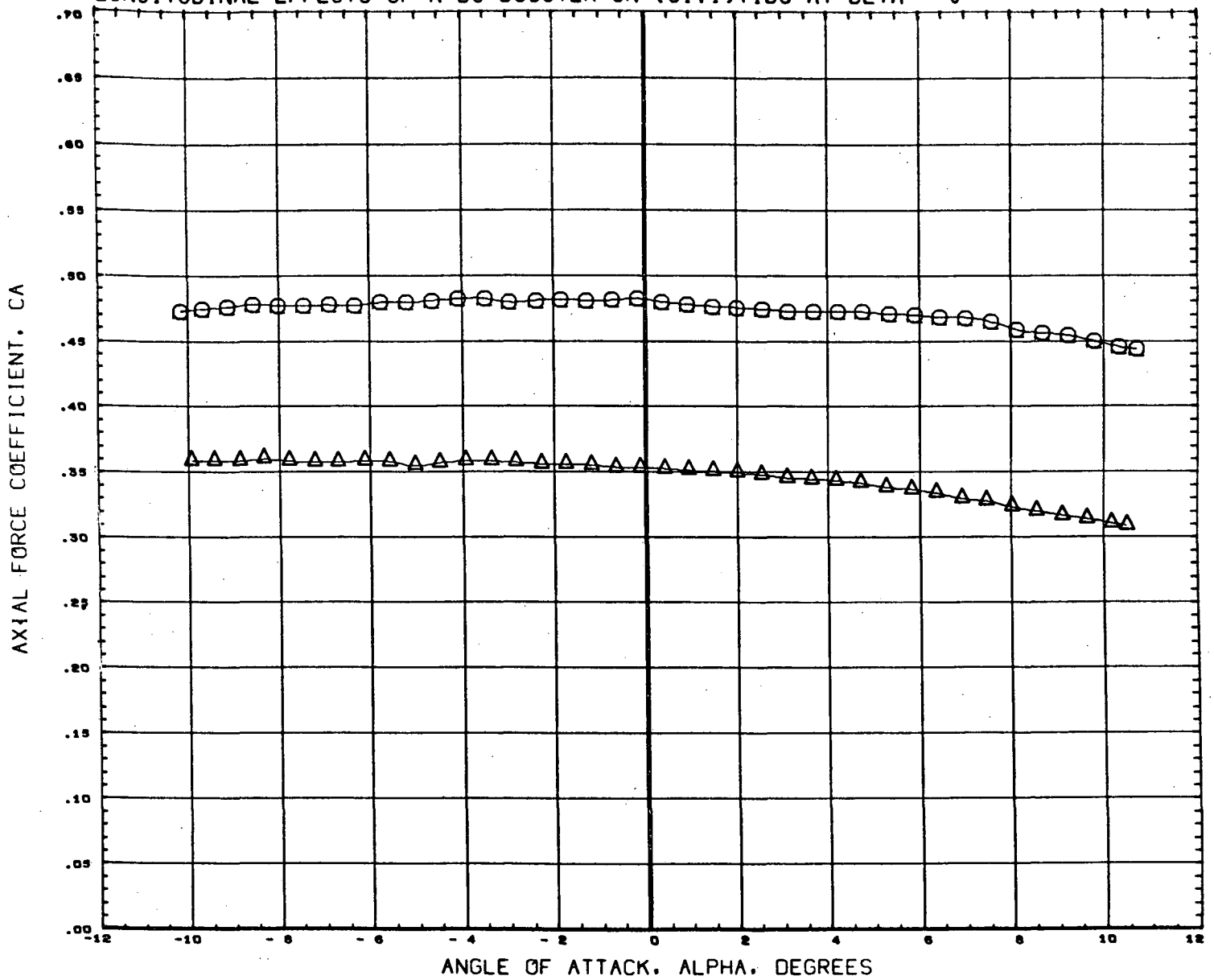


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07433)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07437)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.3004 IN.
						BREF	662.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 738

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0

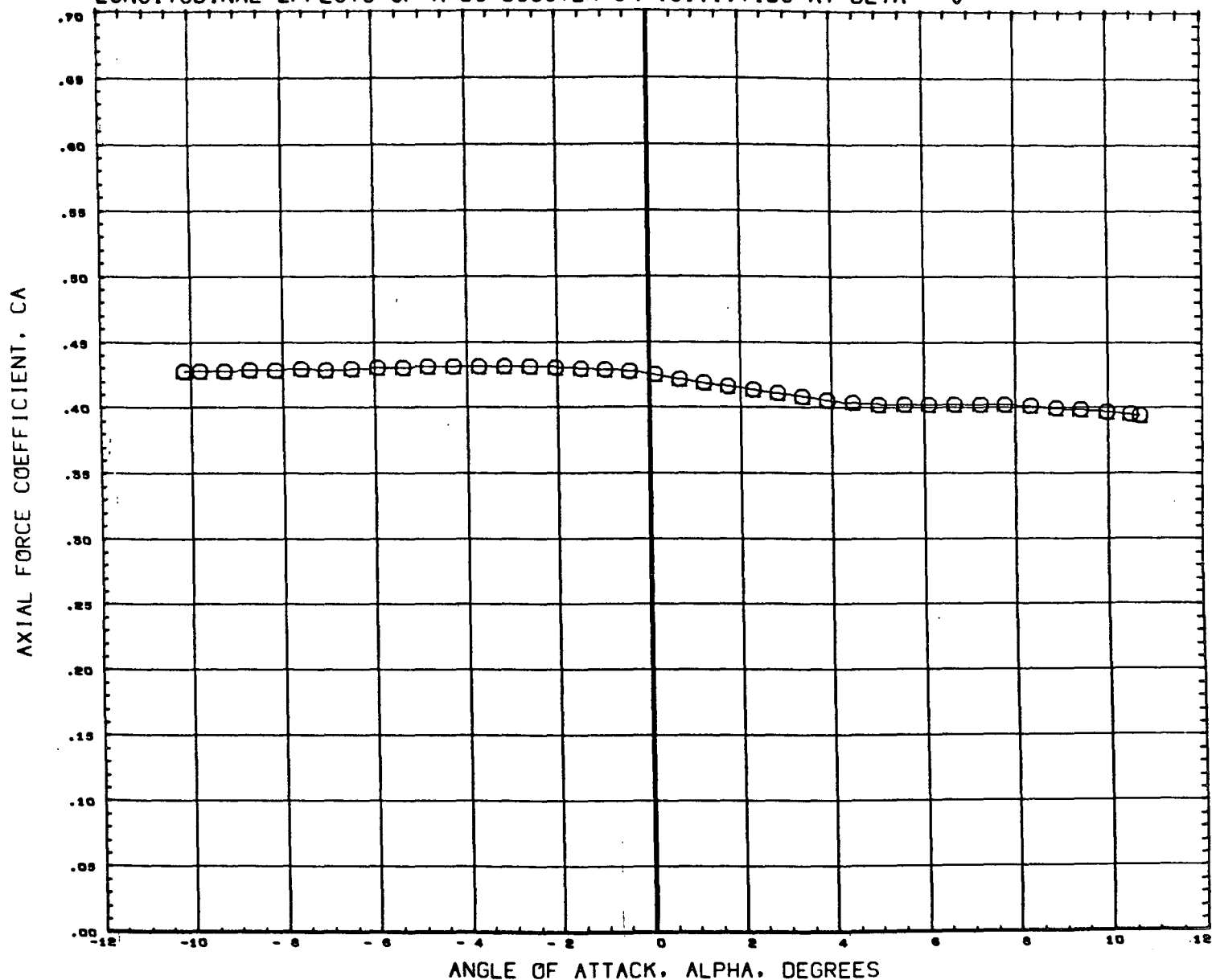


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7433)	○	MDAC S-222 COMPOSITE(T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7437)	△	MDAC S-222 COMPOSITE(T-CG) (01V1)T1B5L(B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
							BREF	862.0004 IN.
							XMRP	557.0004 IN.
							YMRP	0.0000 IN.
							ZMRP	200.0004 IN.
							SCALE	0.0060

MACH 1.10

PAGE 739

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 AT BETA = 0

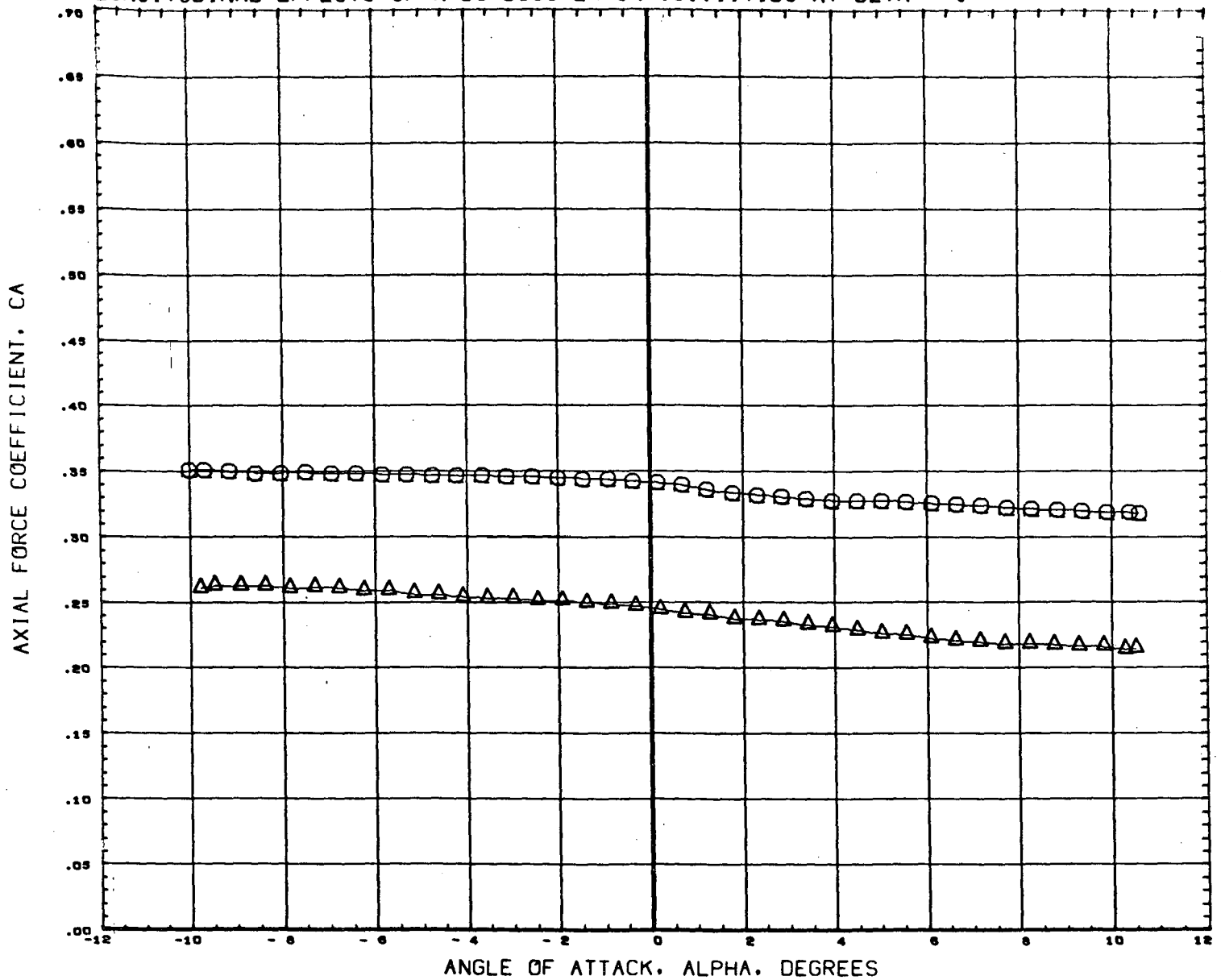


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7433)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7437)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

PAGE 740

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 AT BETA = 0

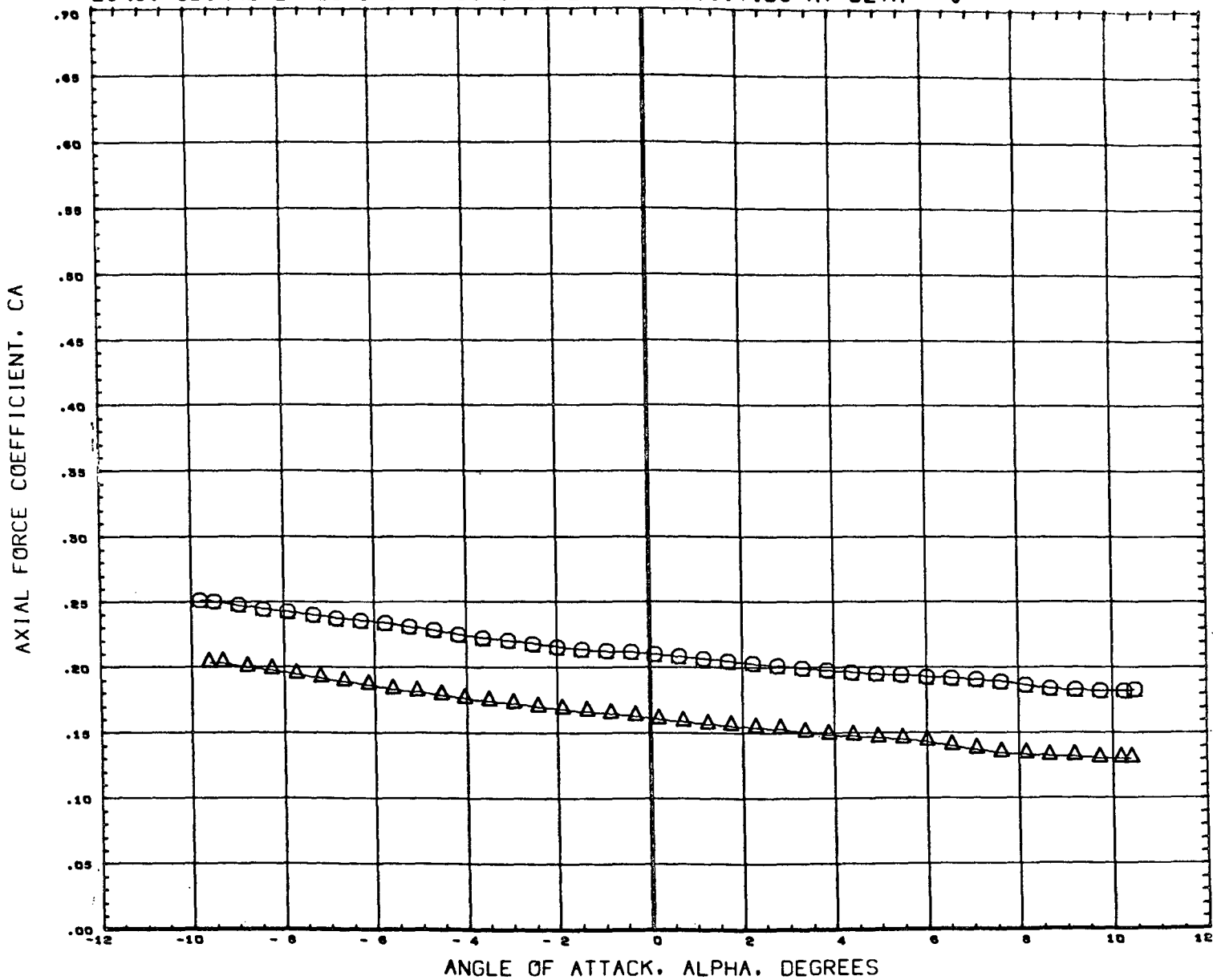


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7433)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7437)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T1B5L(B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 741

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 AT BETA = 0



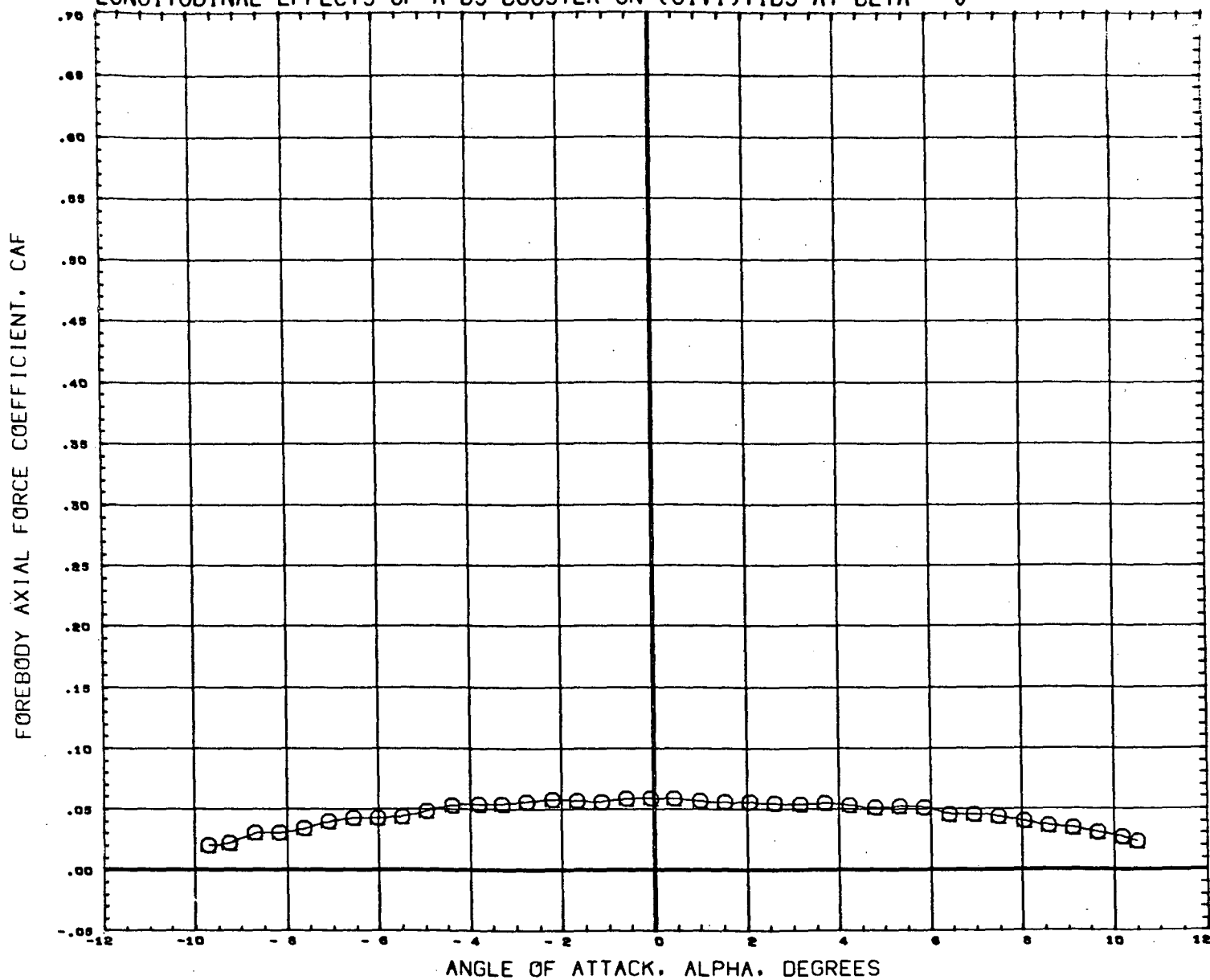
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7433)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7437)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	662.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 742



# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7433) MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5  
 (CD7437) DATA NOT AVAILABLE FOR ALL CONDITIONS

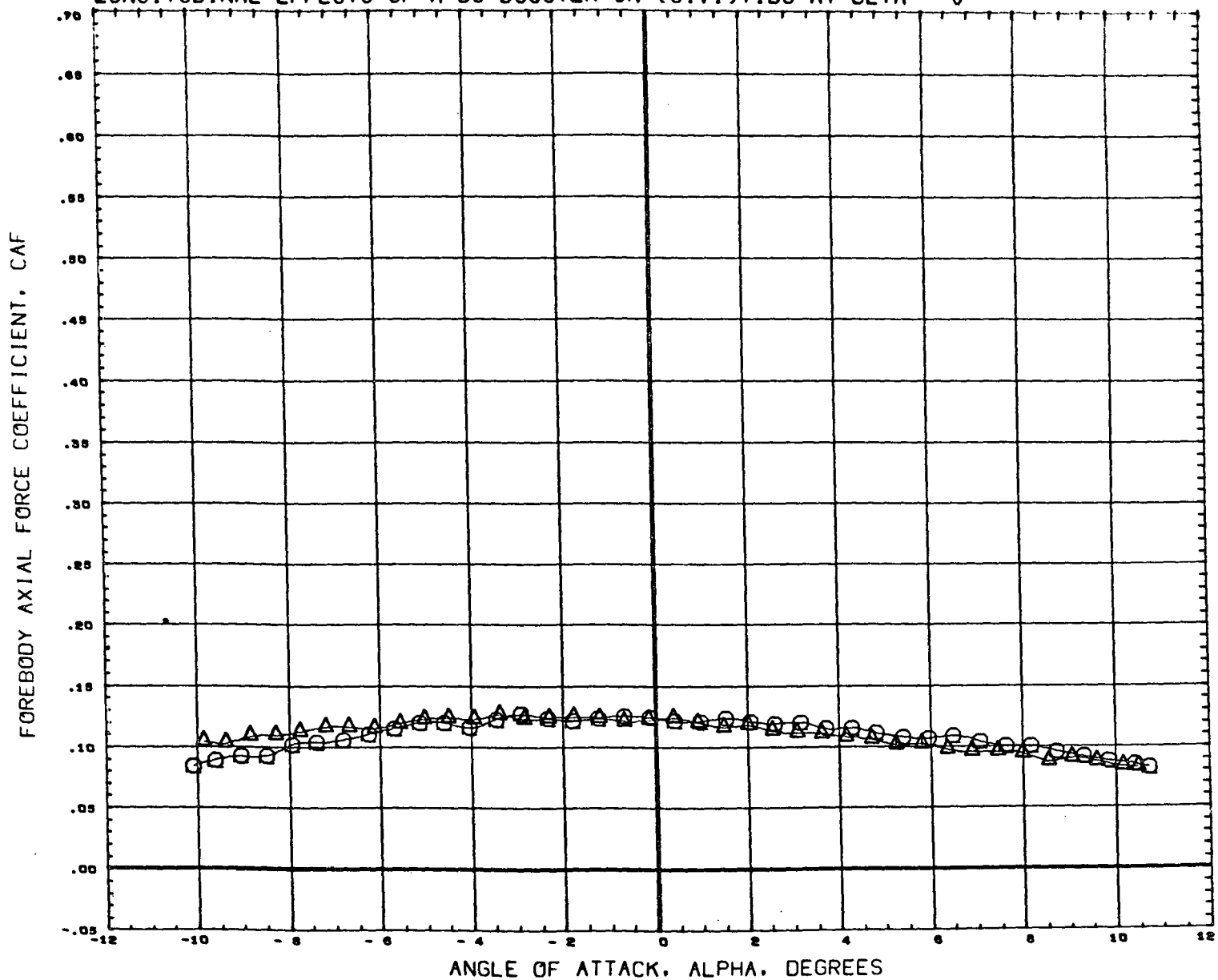
BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION	
SREF	3155.3040 SQ.FT.
LREF	609.3004 IN.
BREF	662.0004 IN.
XMRP	997.0004 IN.
YMRP	0.0000 IN.
ZMRP	200.0004 IN.
SCALE	0.0060

MACH .59

PAGE 743

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 AT BETA = 0



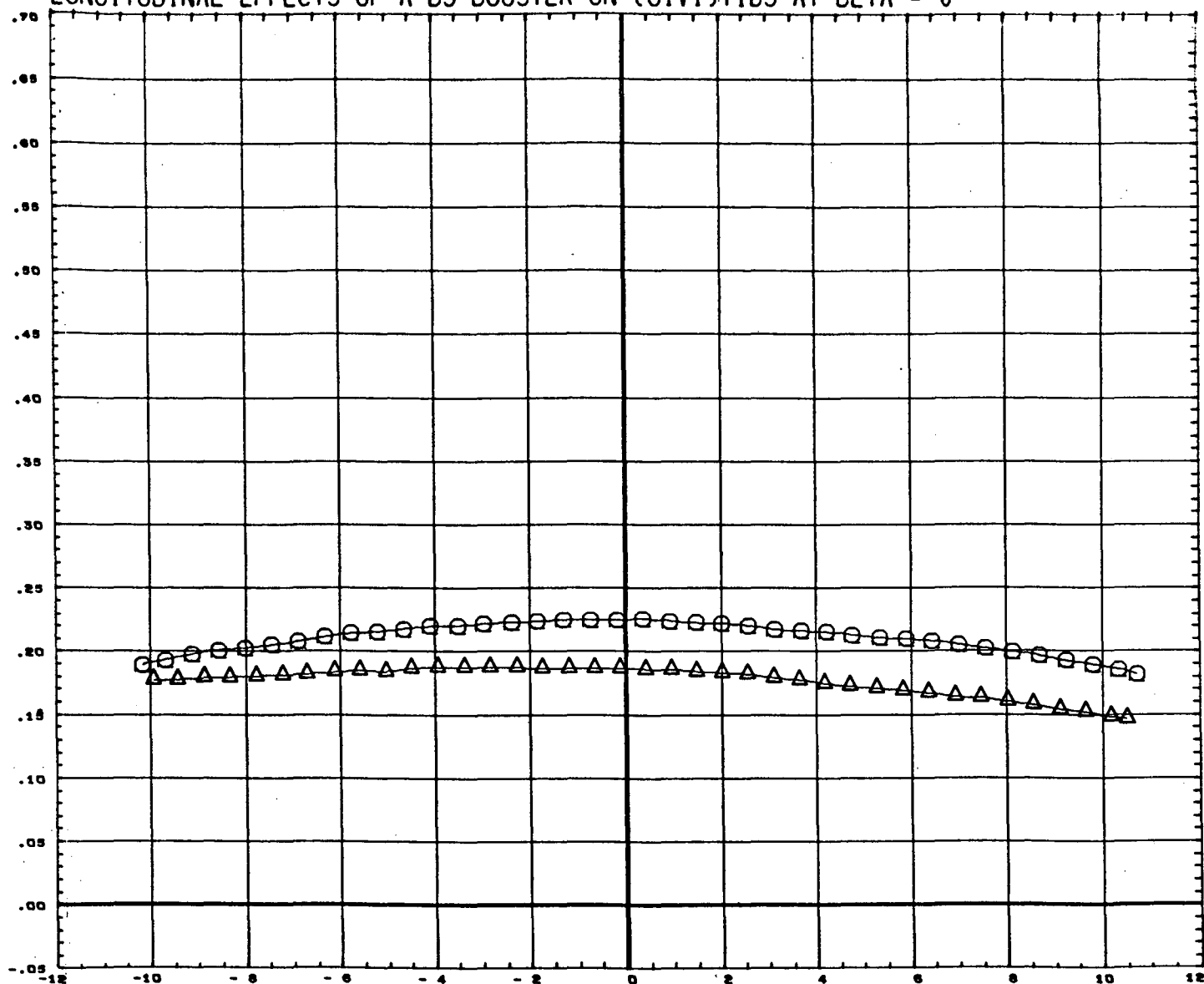
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7433)	MDAC S-222 COMPOSITE (T-C6) (O1V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7437)	MDAC S-222 COMPOSITE (T-C6) (O1V1)T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	662.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 744

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF



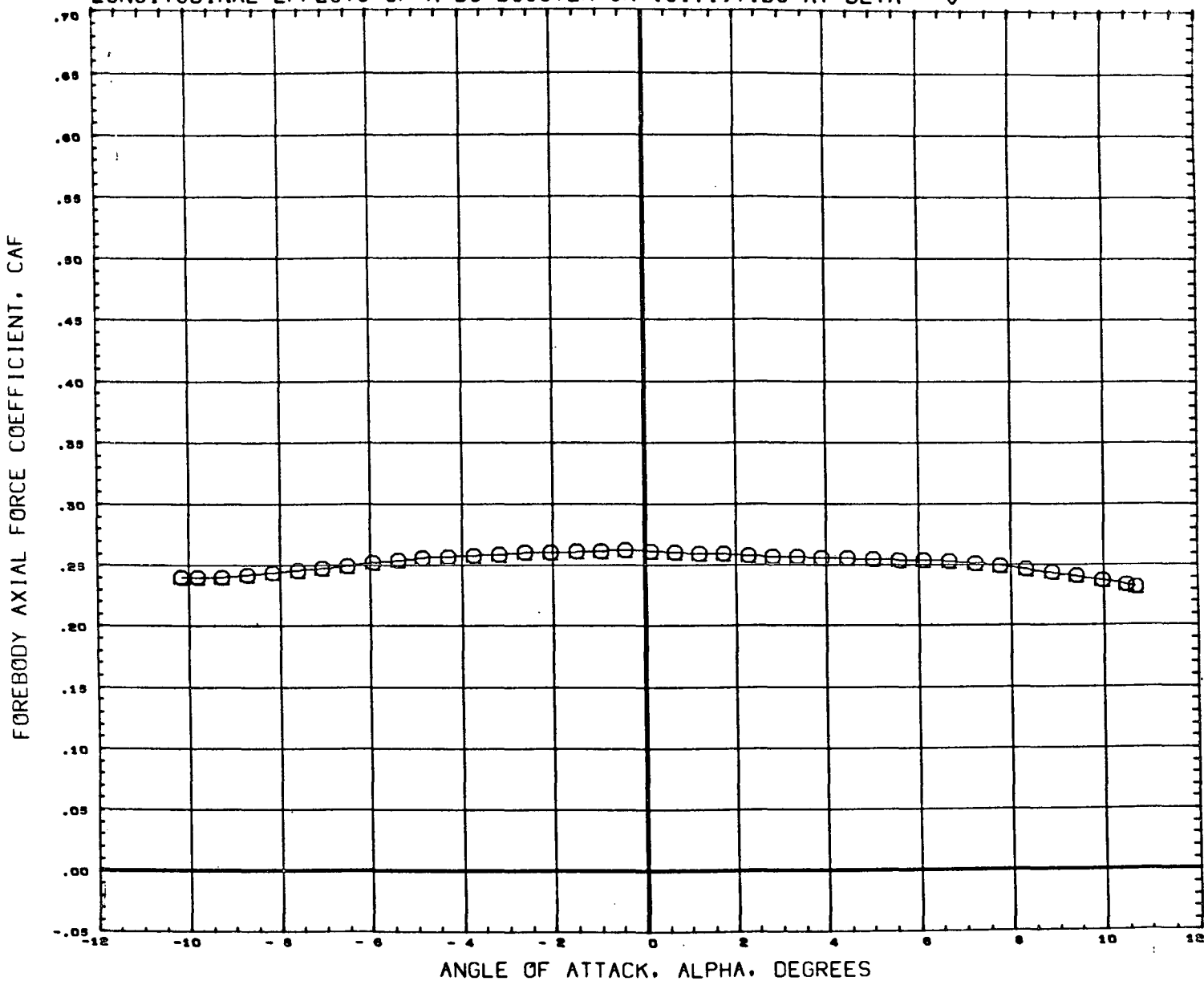
ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7433)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3159.3040 SQ.FT.
(CD7437)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5L (BSR)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

PAGE 745

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 AT BETA = 0



DATA SET SYMBOL (CD7433) (CD7437) CONFIGURATION DESCRIPTION MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5 DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA 0.000 ELEVTR 0.000 AILRON 0.000 RUDDER 0.000

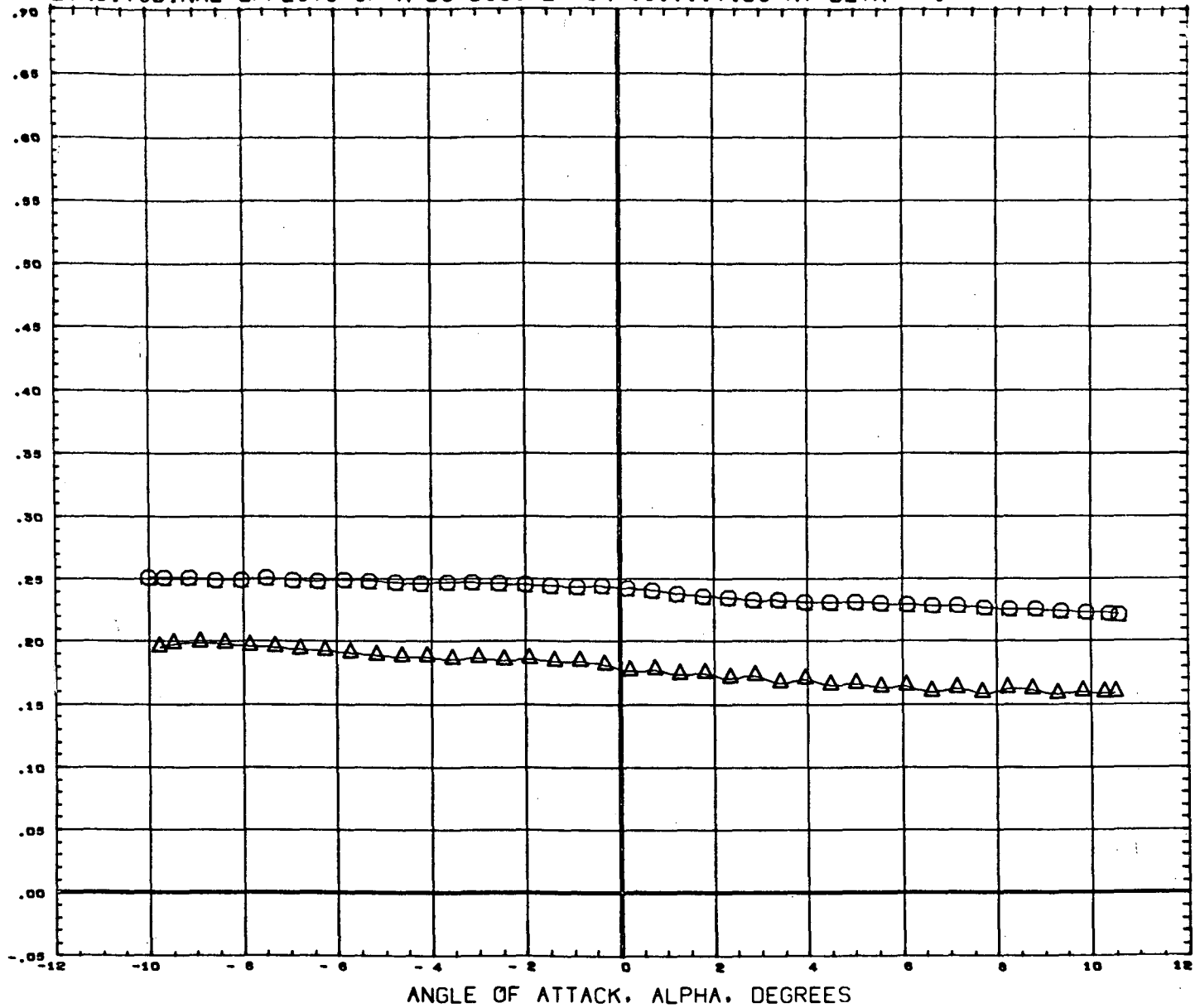
REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 682.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH 1.51

PAGE 746

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF



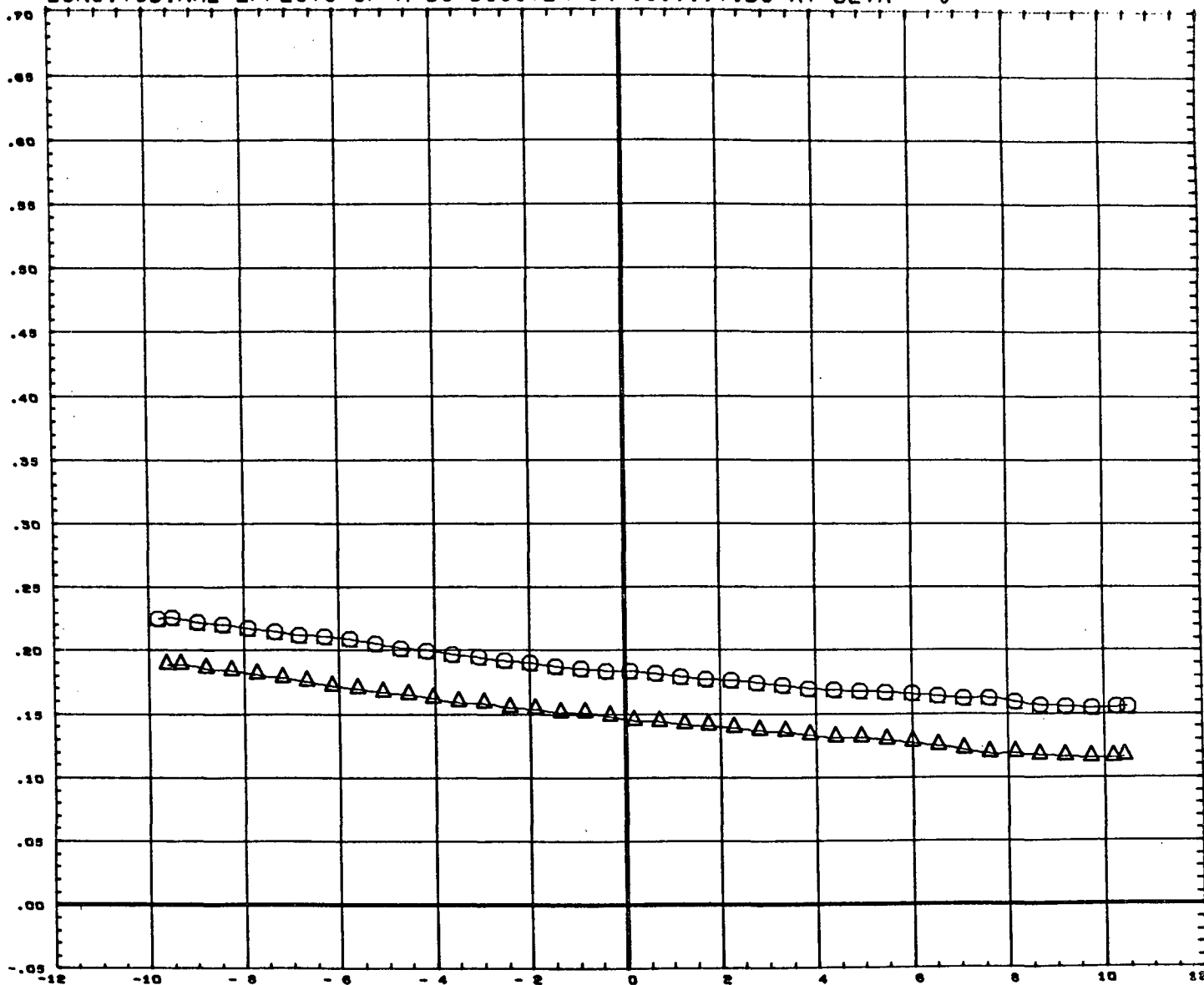
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7433)	MDAC S-222 COMPOSITE(T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7437)	MDAC S-222 COMPOSITE(T-CG) (01V1)T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 747

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 AT BETA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF



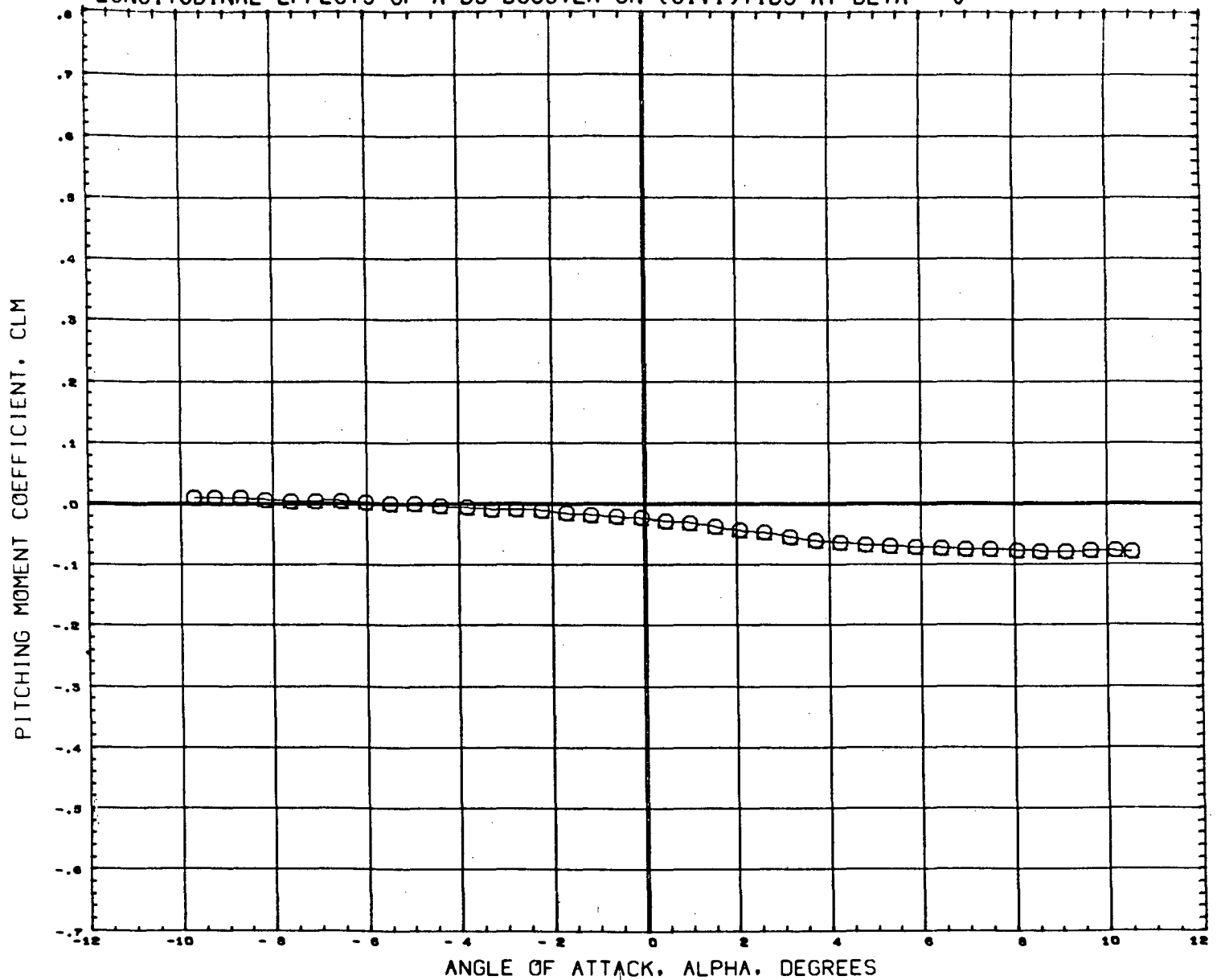
ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7433)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7437)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 748

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0



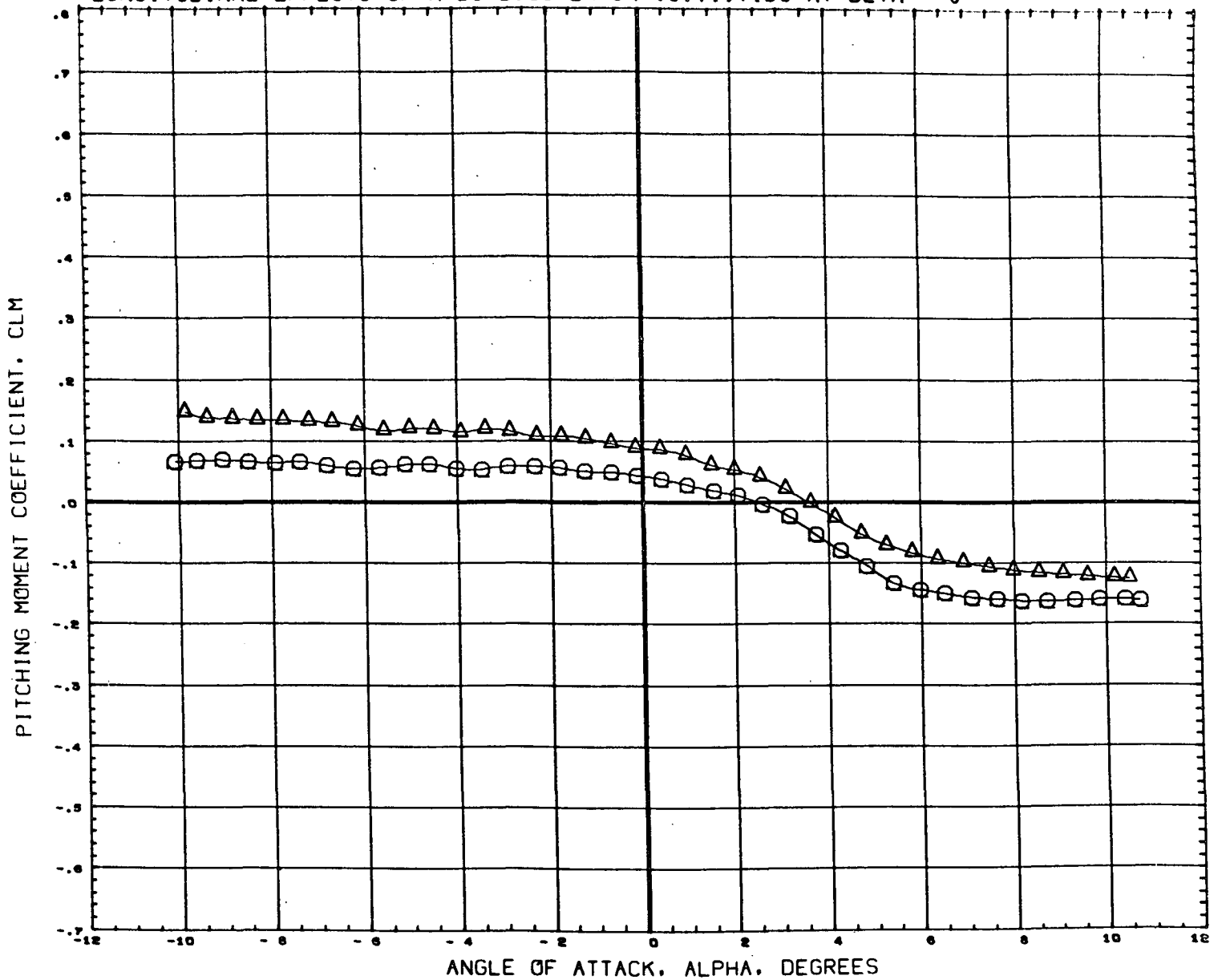
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7433) MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5  
 (CD7437) DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	882.0004 IN.
				XMRP	997.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .59

PAGE 749

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0



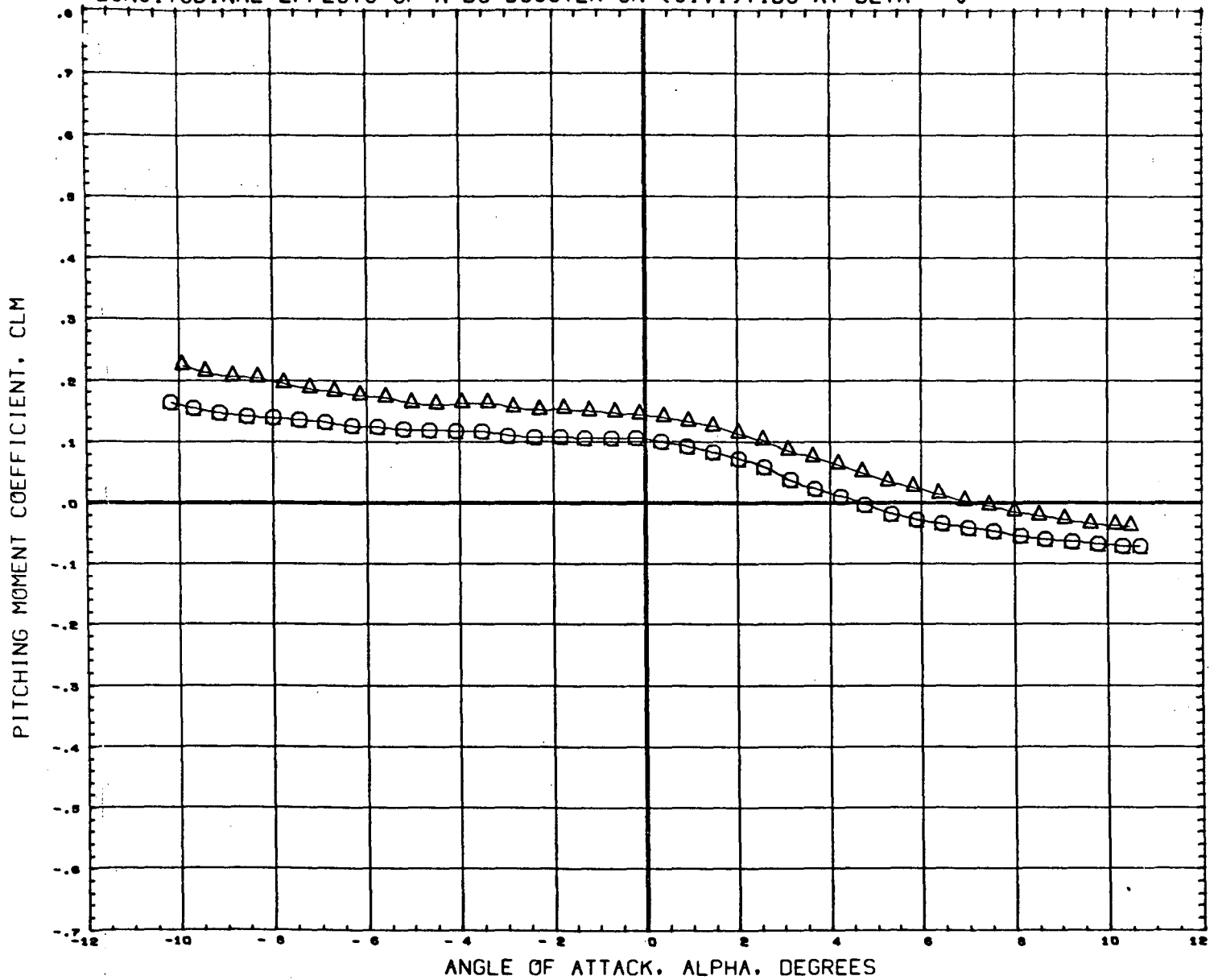
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7433)	MDAC S-222 COMPOSITE(T-C6) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7437)	MDAC S-222 COMPOSITE(T-C6) (01V1)T1B5L(B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	662.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 750



# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 AT BETA = 0

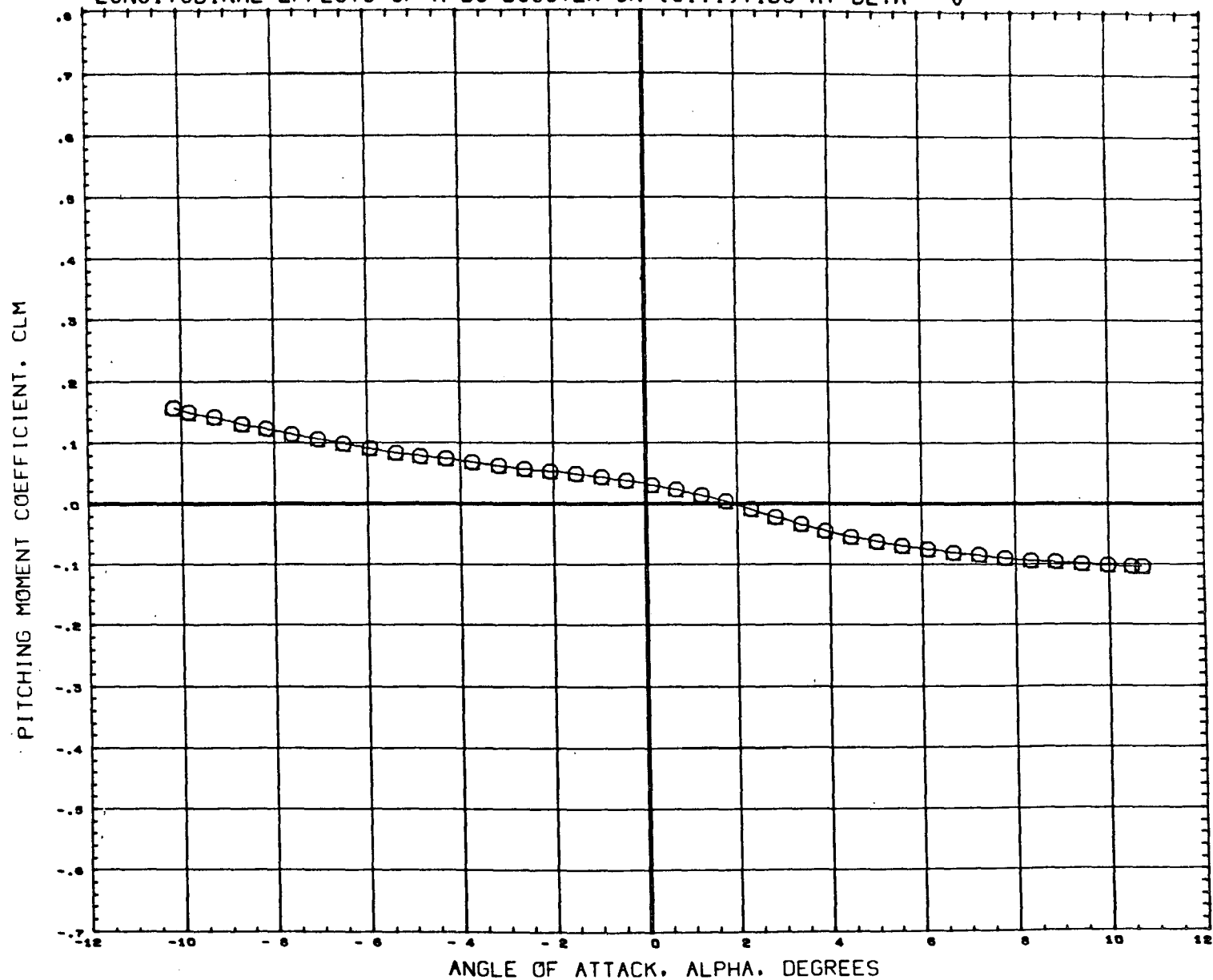


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7433)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7437)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

PAGE 751

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7433) MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5  
 (CD7437) DATA NOT AVAILABLE FOR ALL CONDITIONS

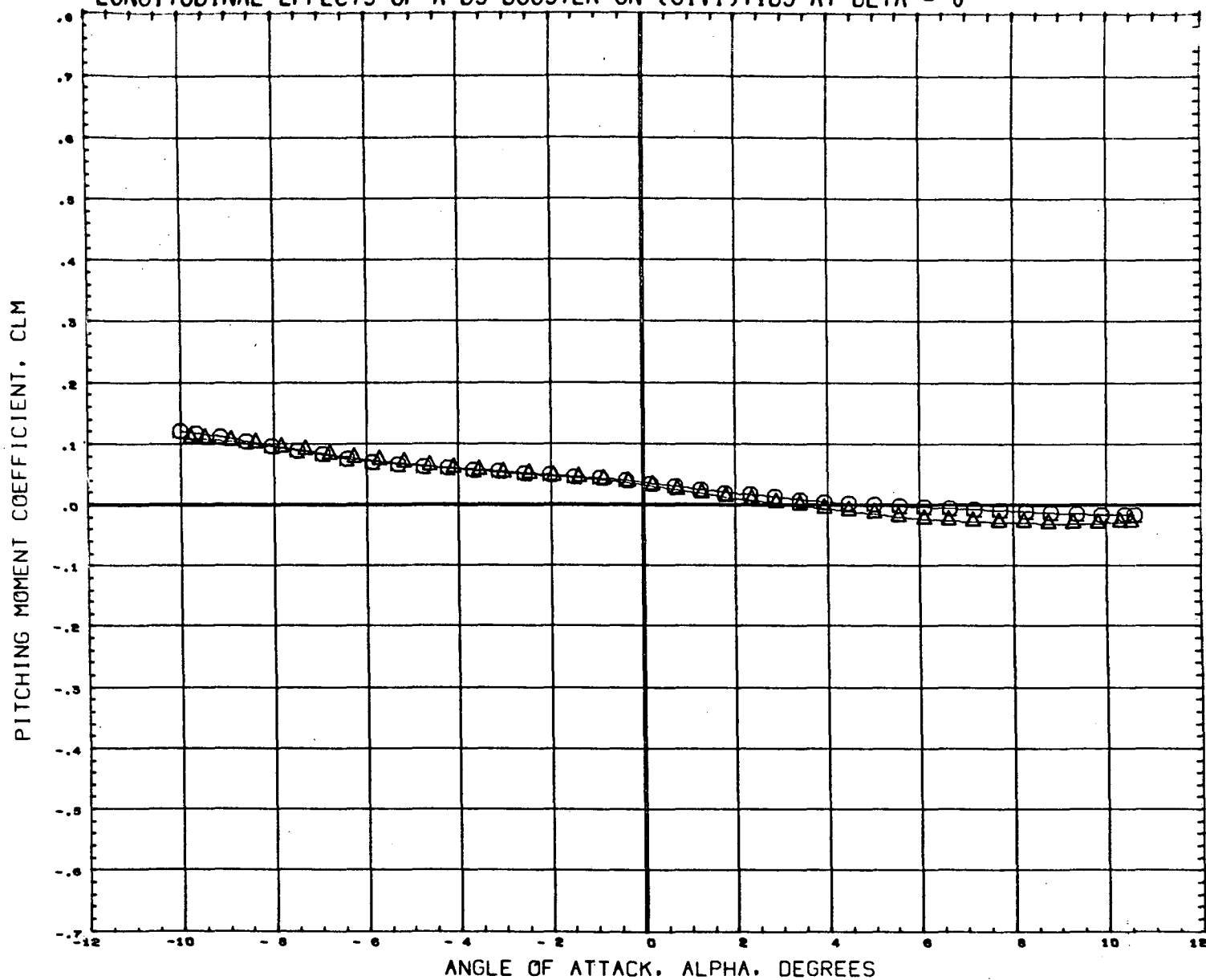
BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.9004	IN.
BREF	662.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH 1.51

PAGE 752

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 AT BETA = 0

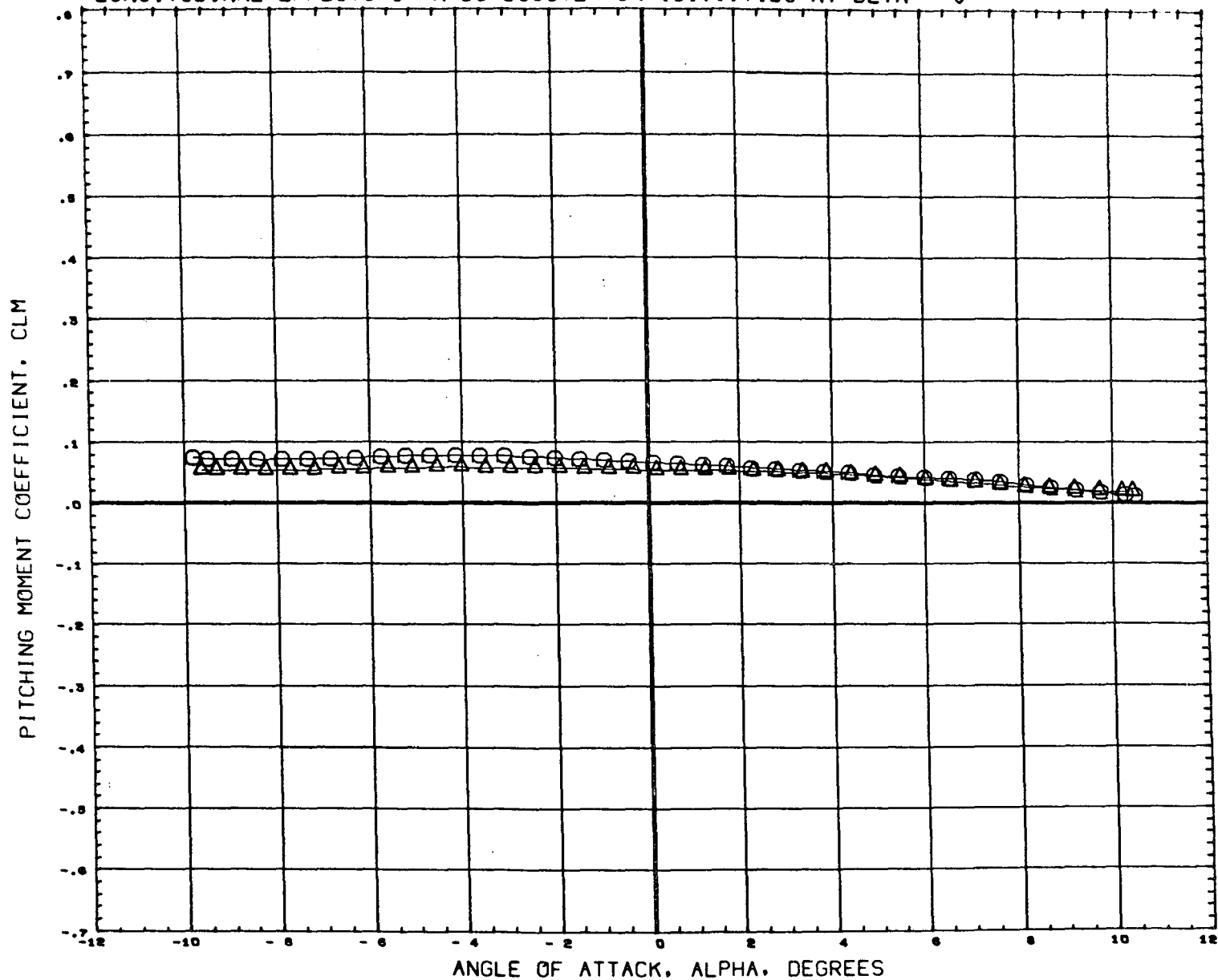


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7433)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7437)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 753

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0

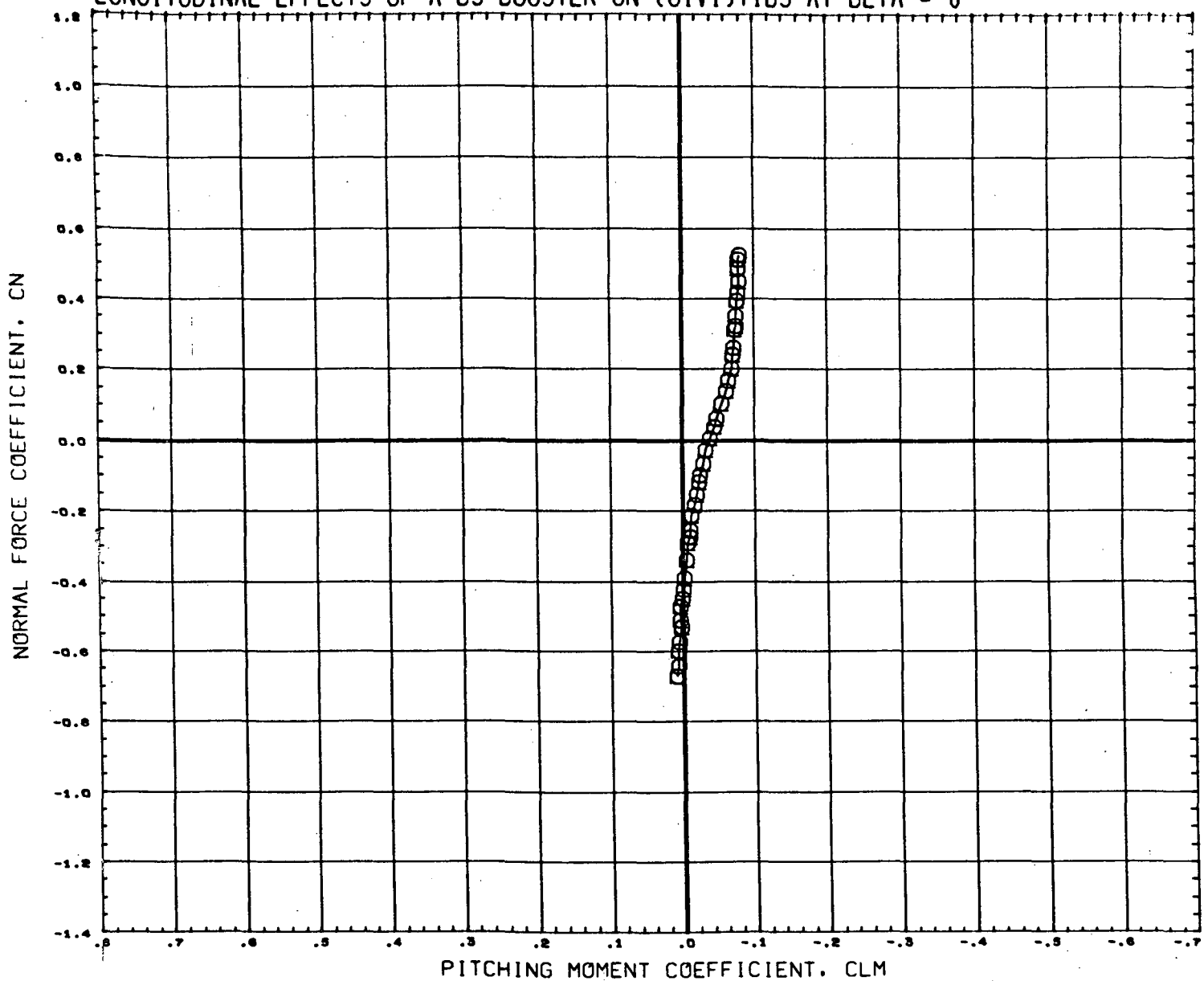


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7433)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7437)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 754

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 AT BETA = 0



DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7433)       MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5  
 (CD7437)       DATA NOT AVAILABLE FOR ALL CONDITIONS

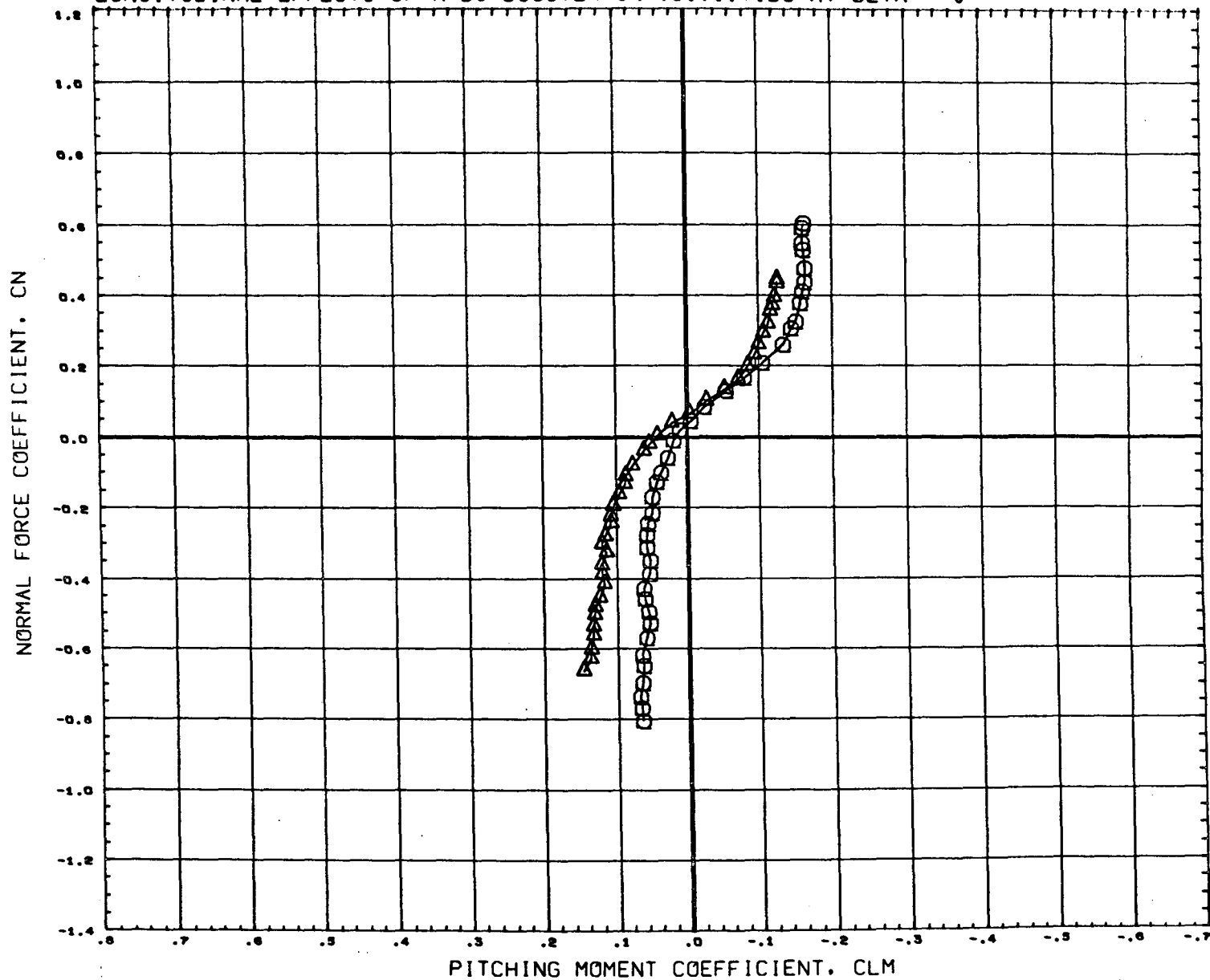
BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	662.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH            .59

PAGE    755

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0

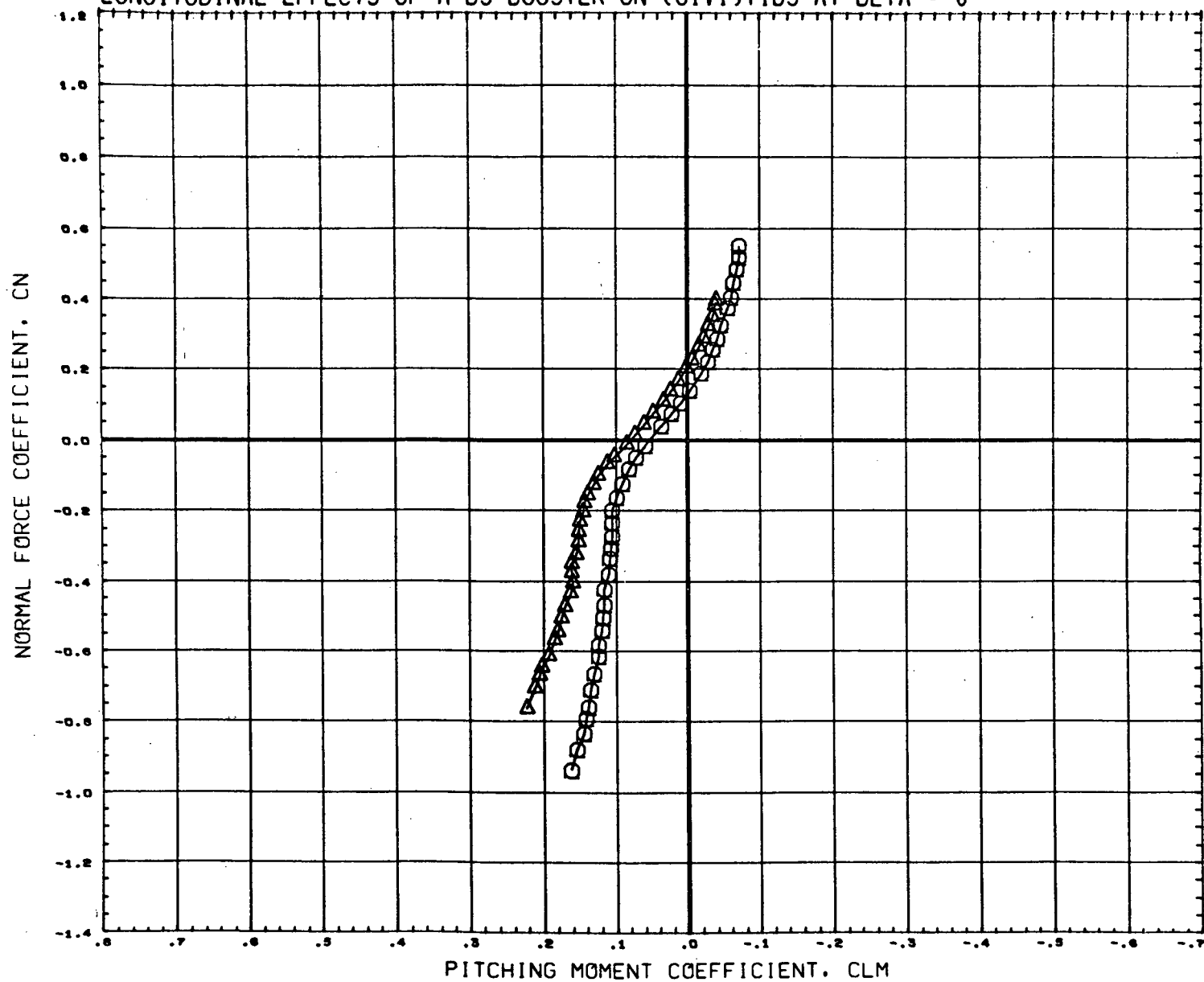


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7433)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ. FT.
(CD7437)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 756

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0



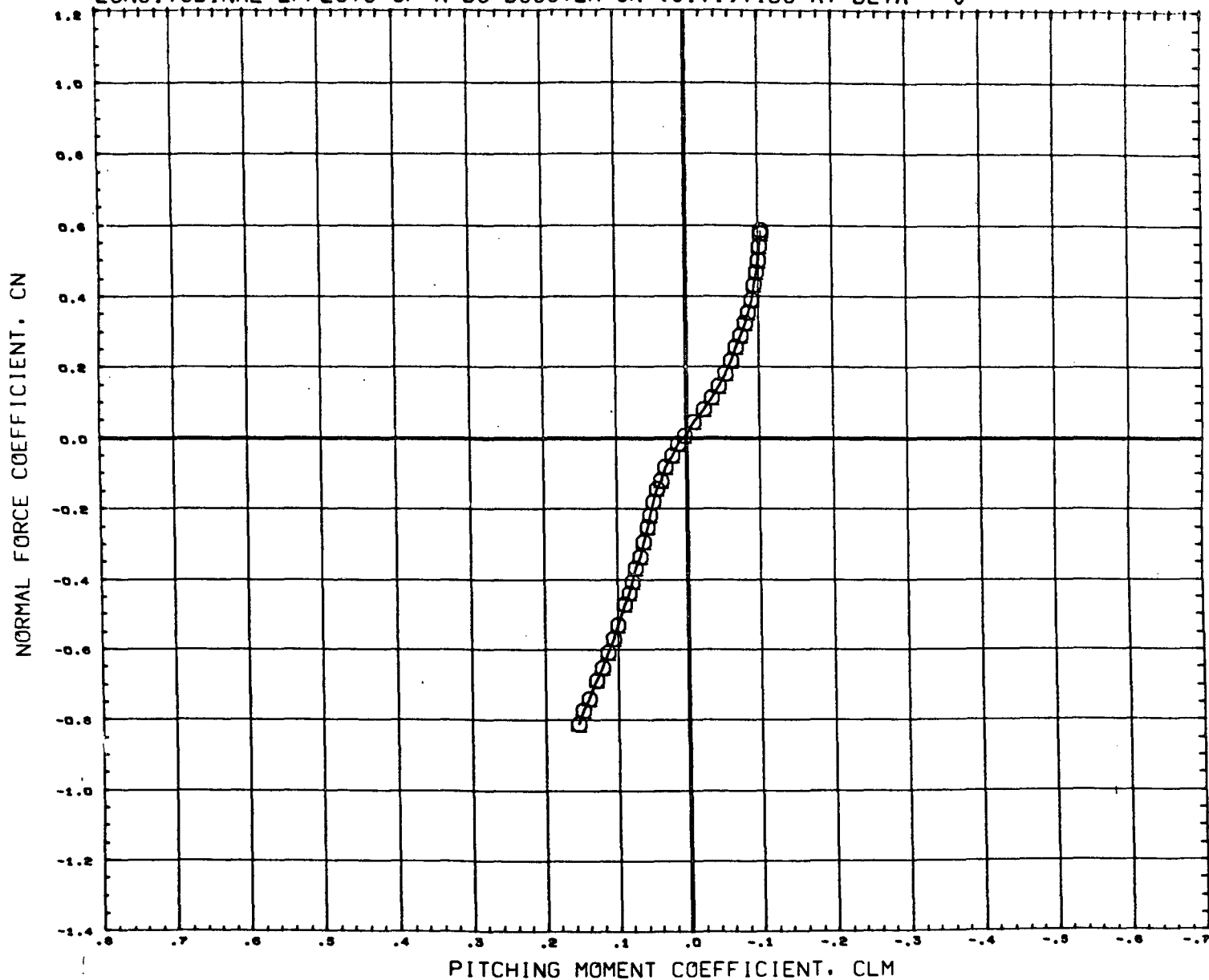
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7433)	○	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7437)	△	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
							BREF	662.0004 IN.
							XMRP	557.0004 IN.
							YMRP	0.0000 IN.
							ZMRP	200.0004 IN.
							SCALE	0.0060

MACH

1.10

PAGE 757

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0



DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7433)    MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5  
 (CD7437)    DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

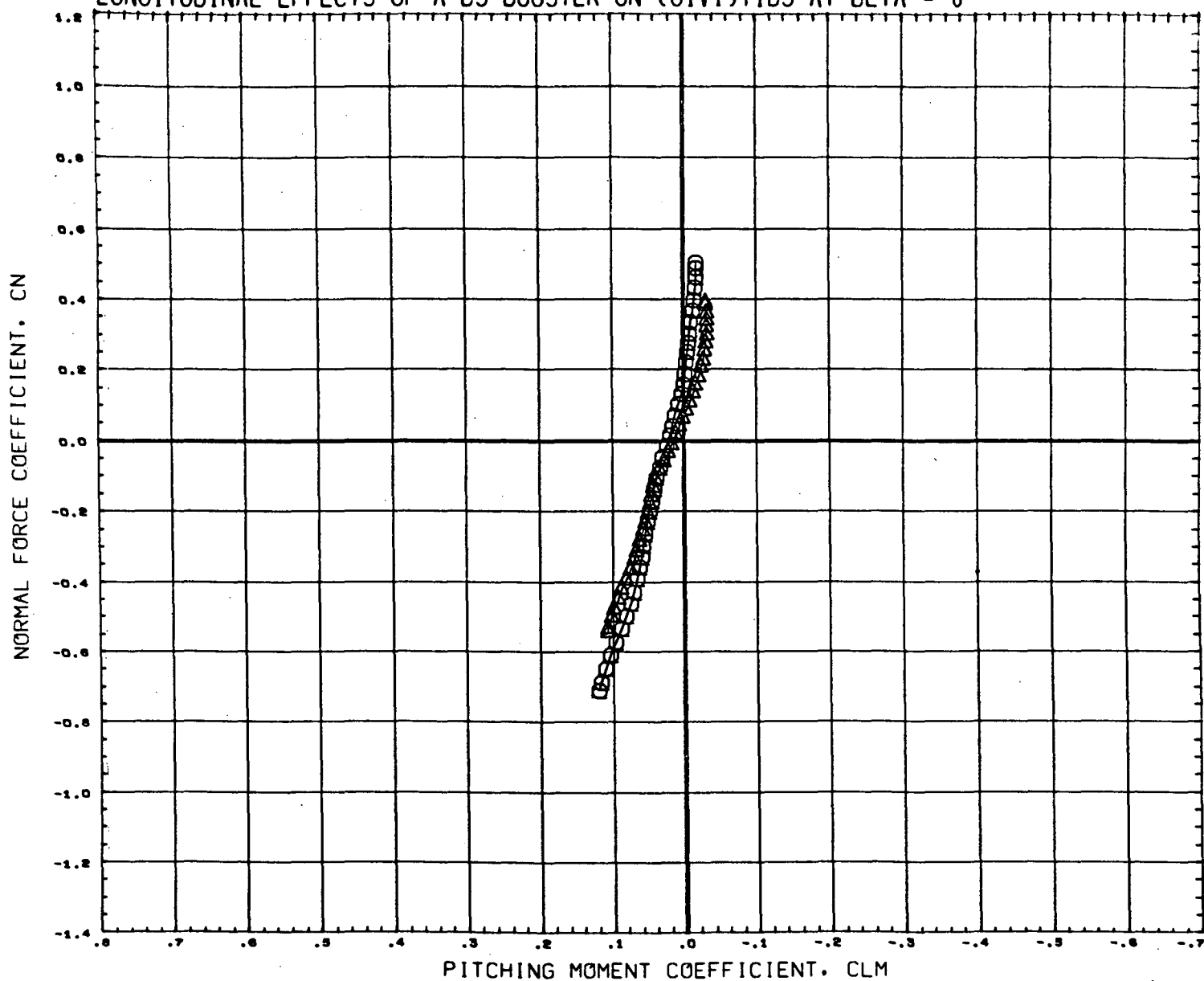
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	537.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH            1.51

PAGE    758



# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0

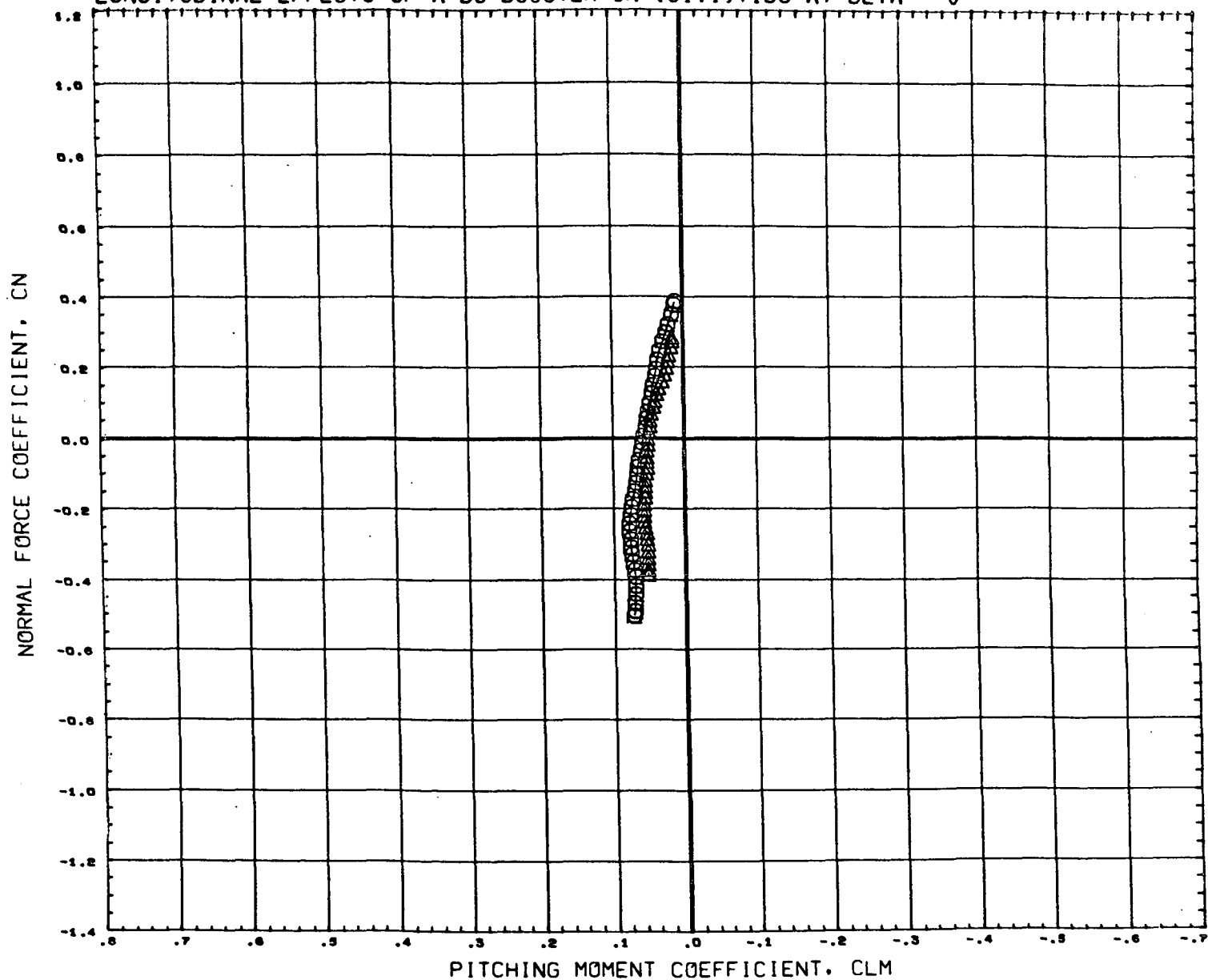


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7433)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7437)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	957.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 759

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 AT BETA = 0



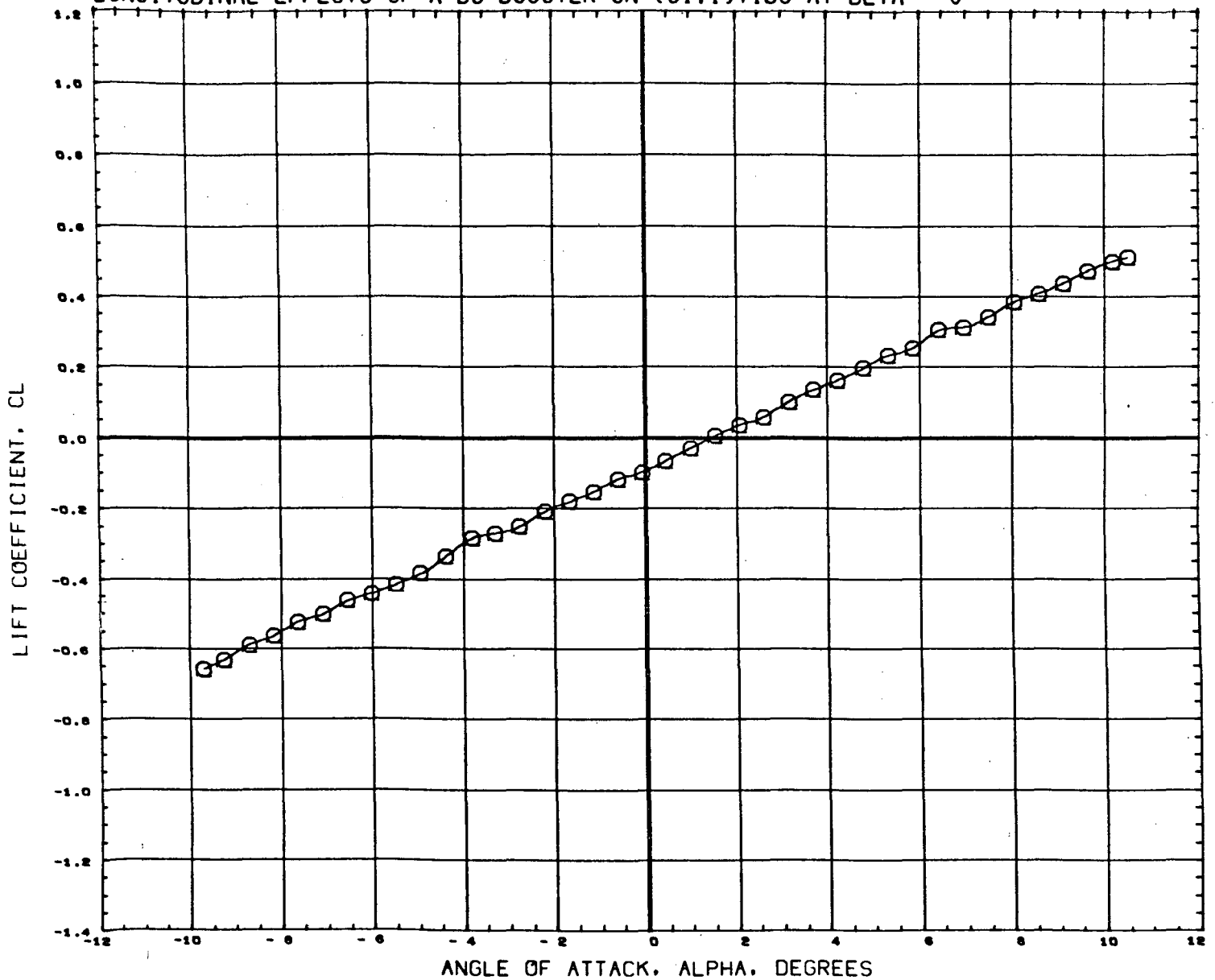
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7433)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7437)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T1B5L(B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	662.0004 IN.
						XMRP	597.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH

4.47

PAGE 760

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0



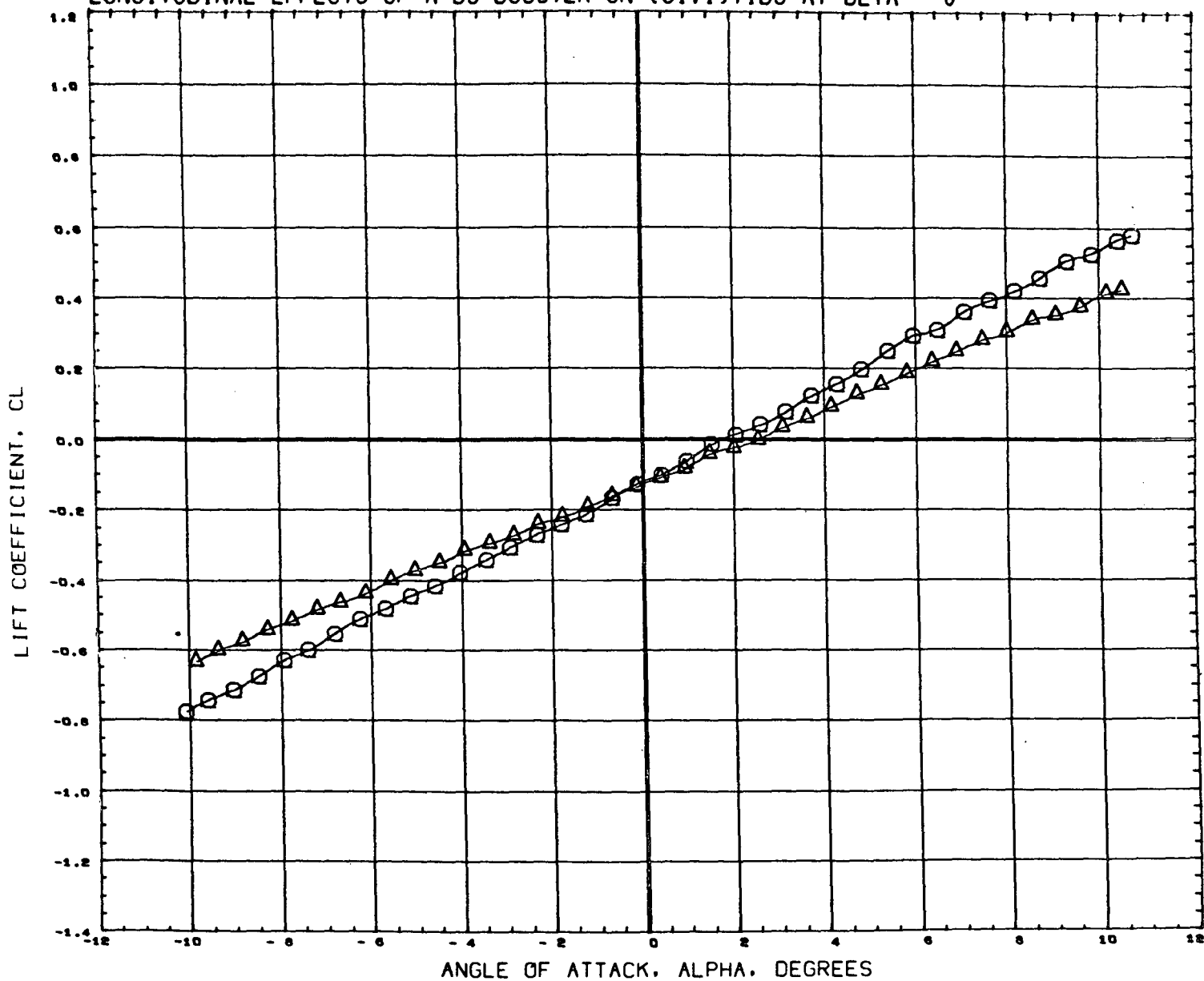
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7433)    MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5  
 (CD7437)    DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	862.0004 IN.
				XMRP	997.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH | .59

PAGE 761

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 AT BETA = 0

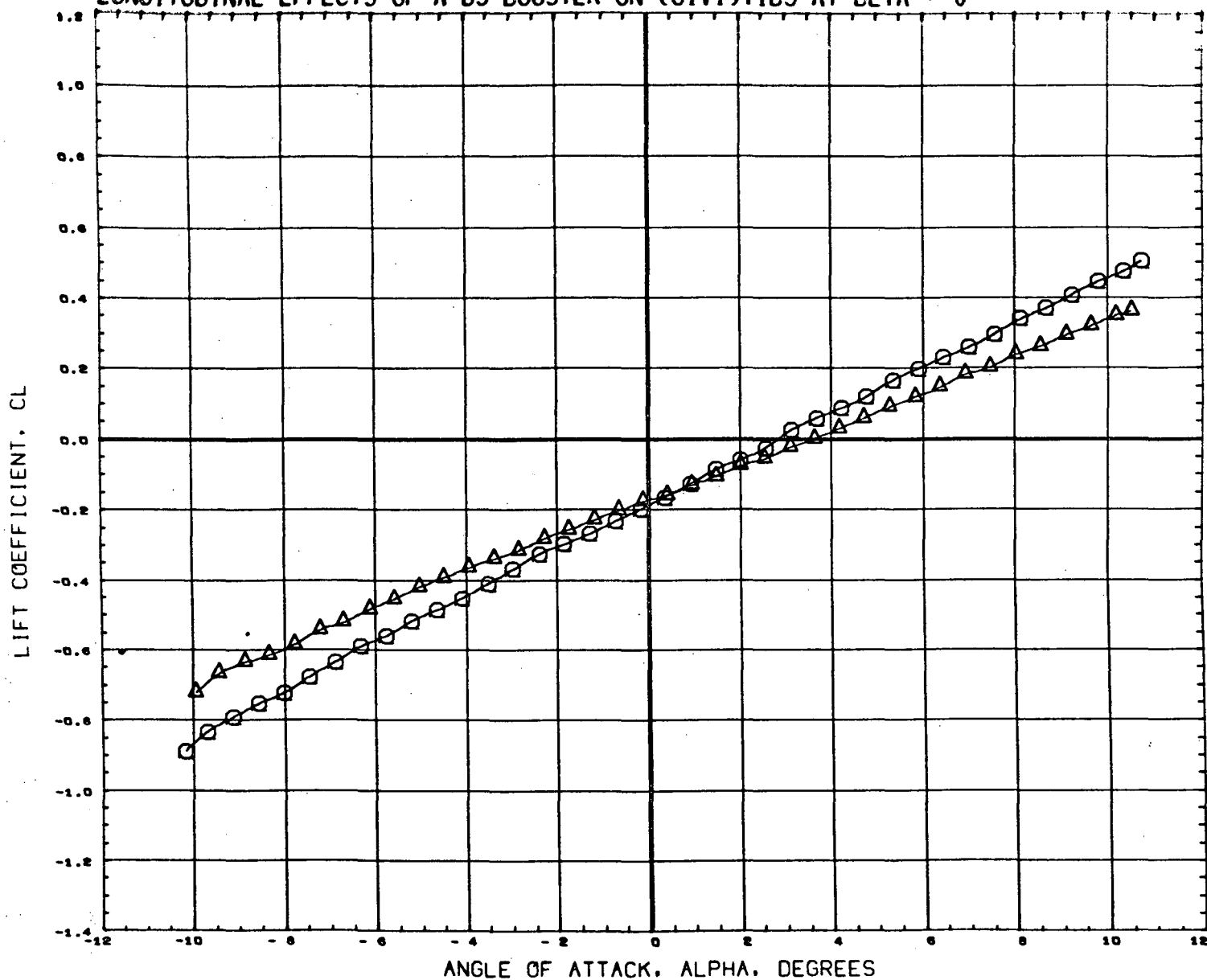


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7433)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7437)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.9004 IN.
						BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 762

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 AT BETA = 0

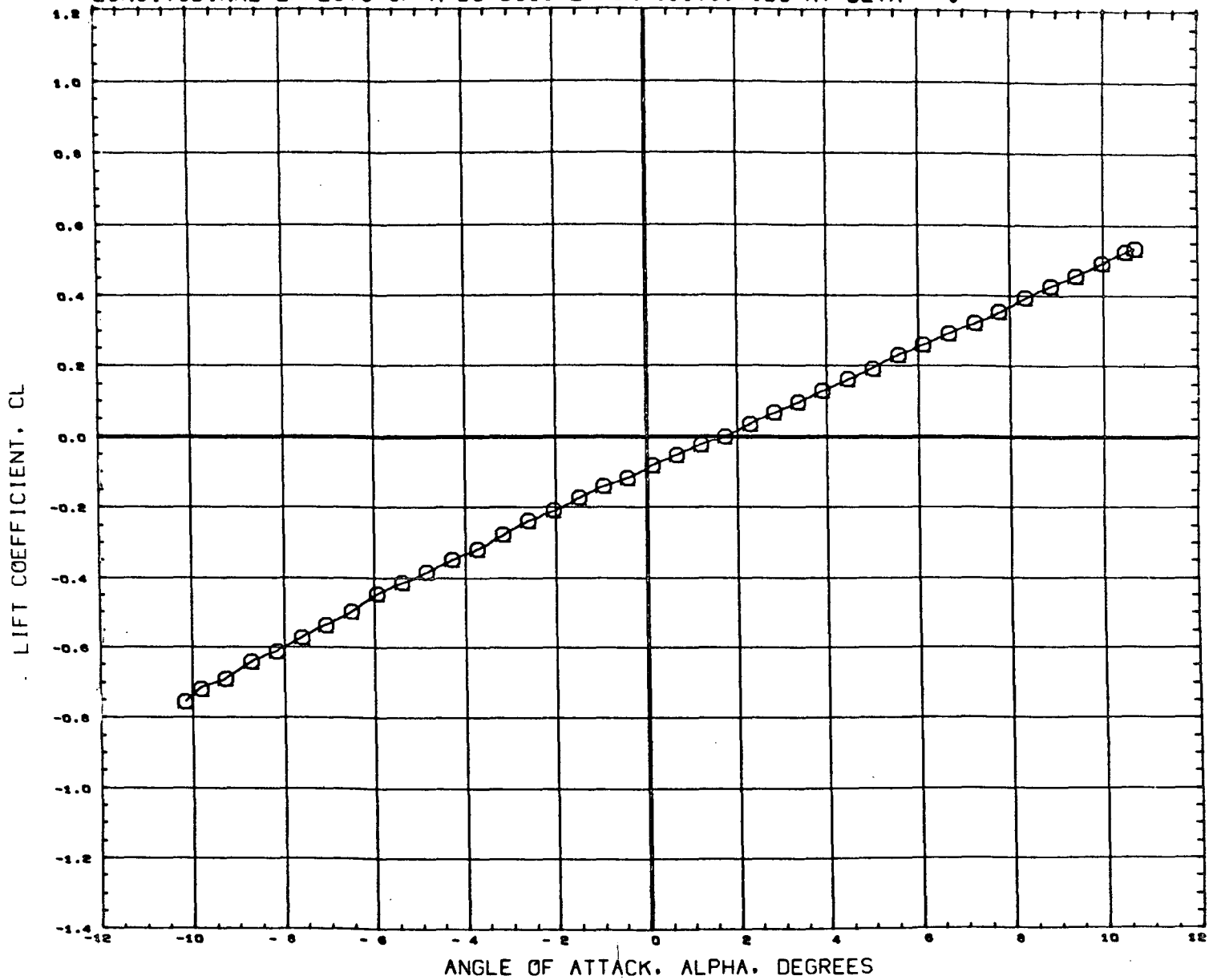


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7433)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7437)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

PAGE 763

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0



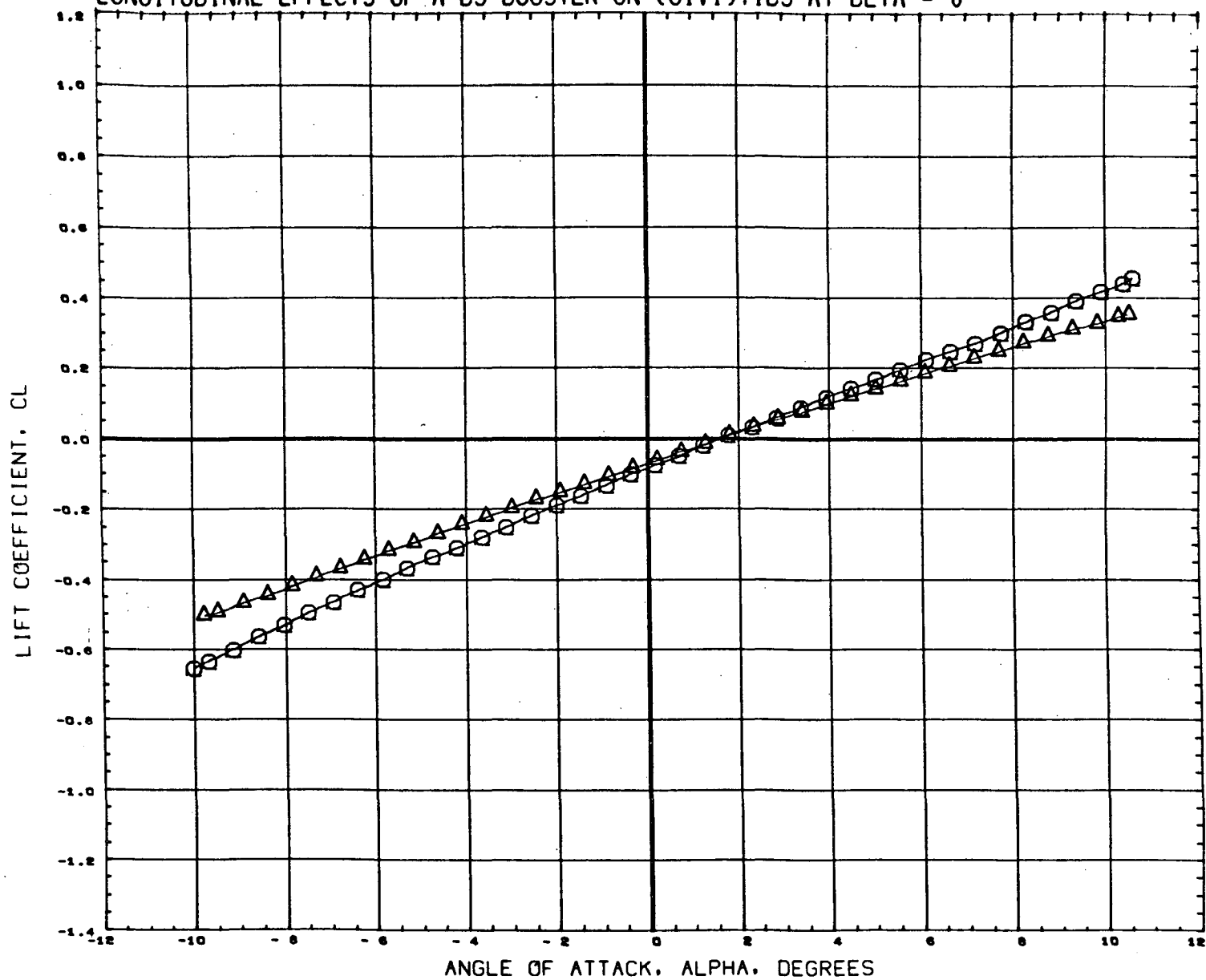
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7433)    ○    MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5  
 (CD7437)    △    DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRRP	557.0004 IN.
				YMRRP	0.0000 IN.
				ZMRRP	200.0004 IN.
				SCALE	0.0060

MACH    1.51

PAGE    764

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0



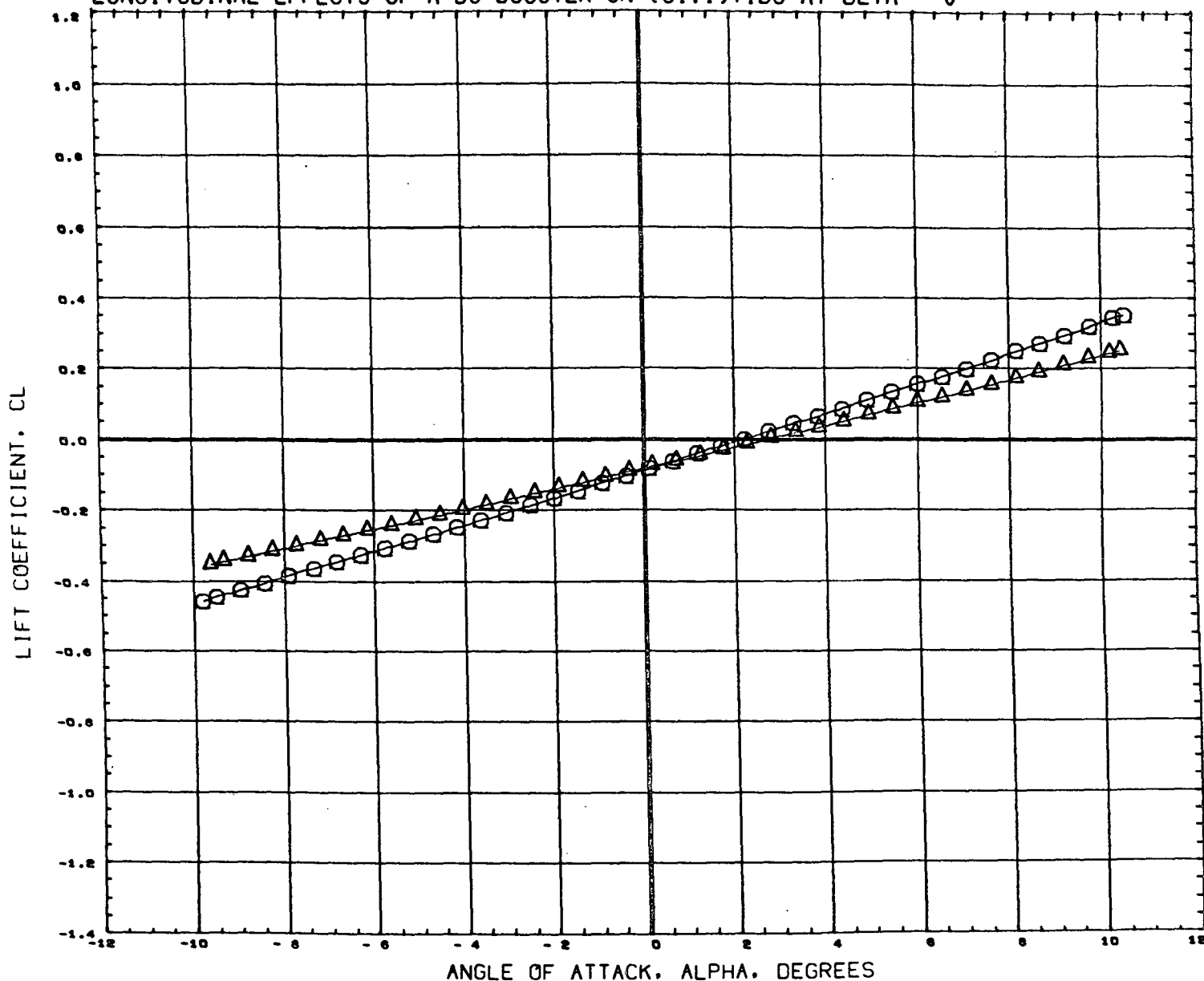
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(C07433)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5
(C07437)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5L (B5R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	862.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH • 2.20

PAGE 765

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 AT BETA = 0



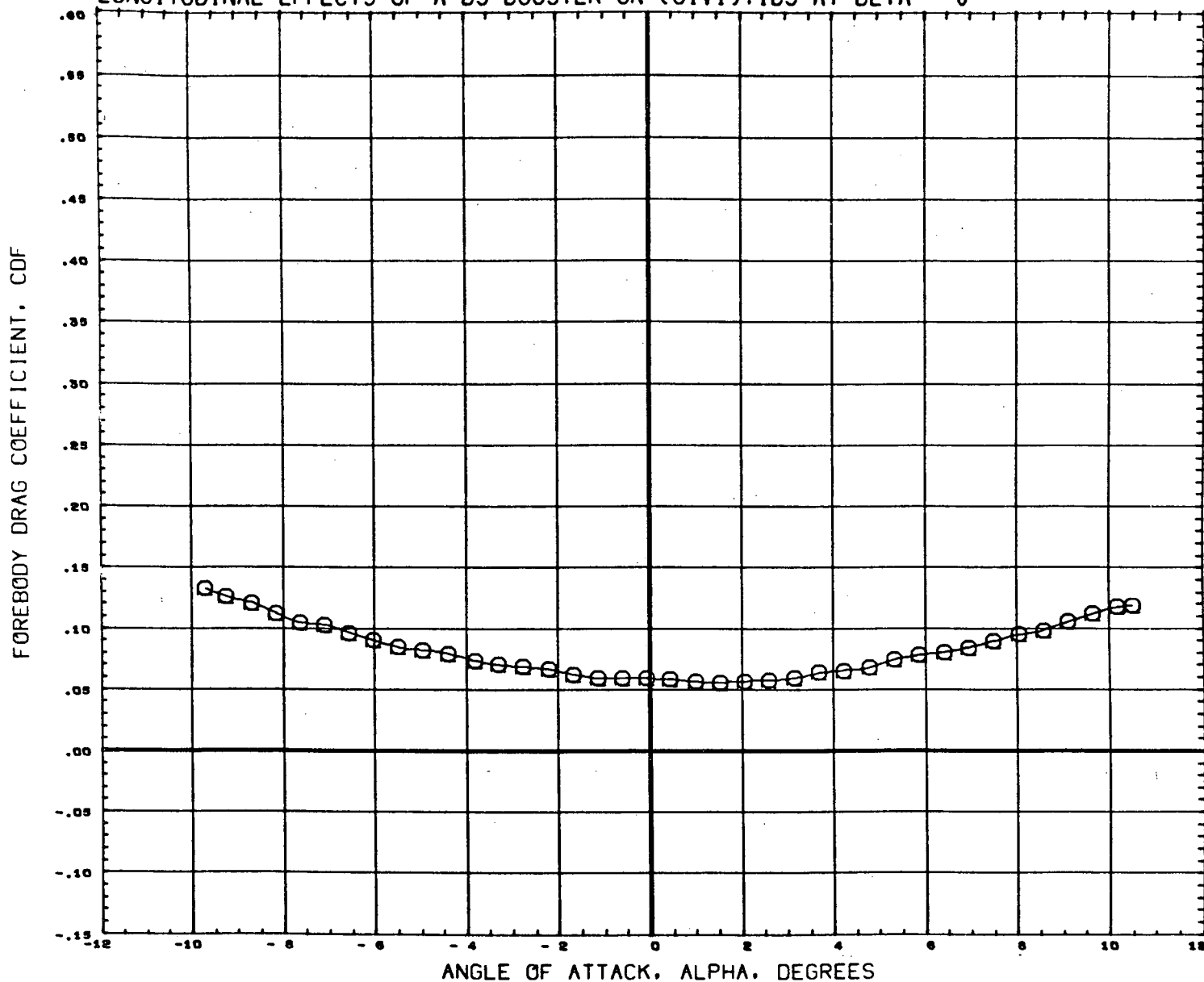
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7433)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7437)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	957.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 766



# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 AT BETA = 0



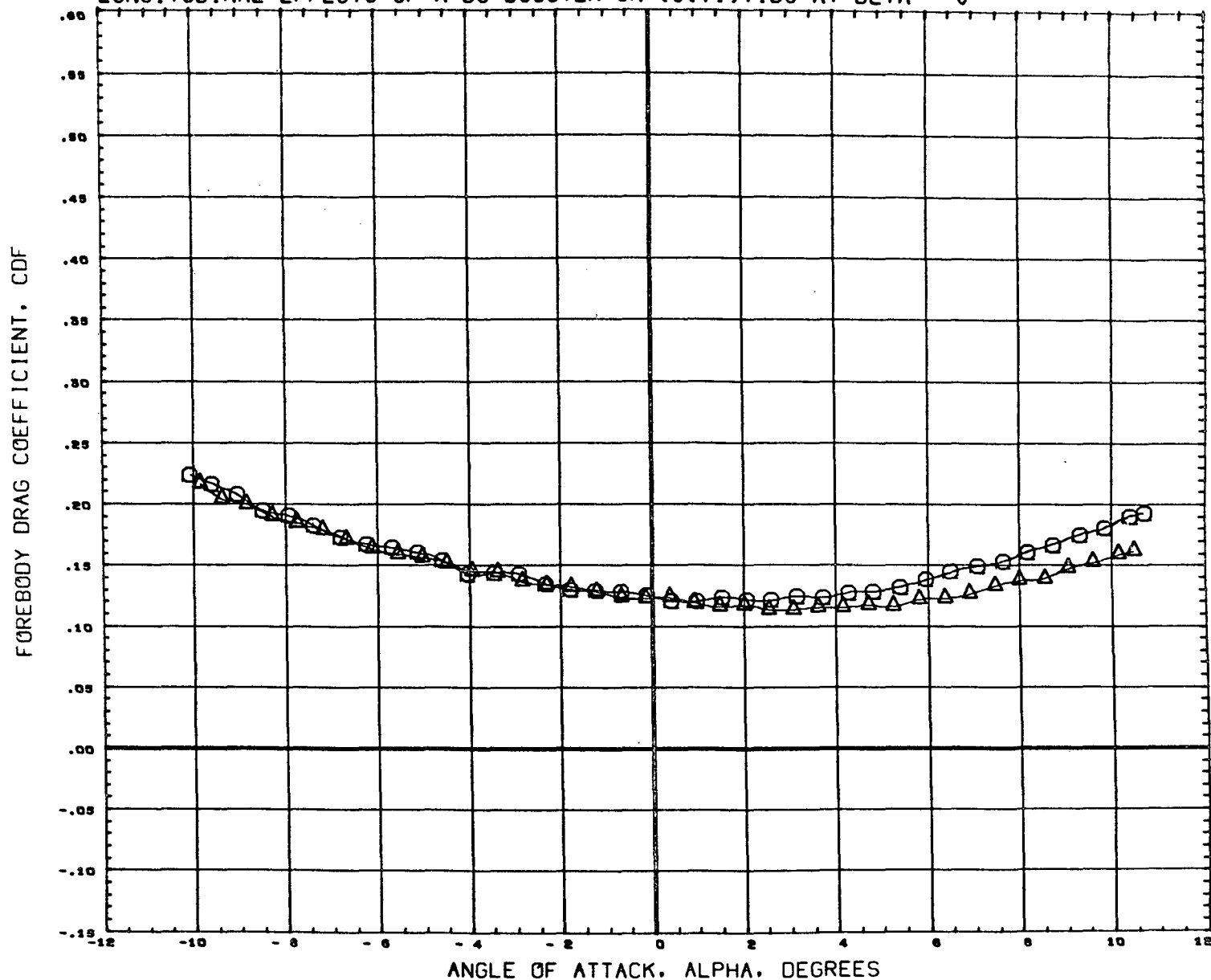
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7435) HDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5  
 (CD7437) DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.9004 IN.
				BREF	882.0004 IN.
				XMHP	957.0004 IN.
				YMHP	0.0000 IN.
				ZMHP	200.0004 IN.
				SCALE	0.0060

MACH .59

PAGE 767

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 AT BETA = 0



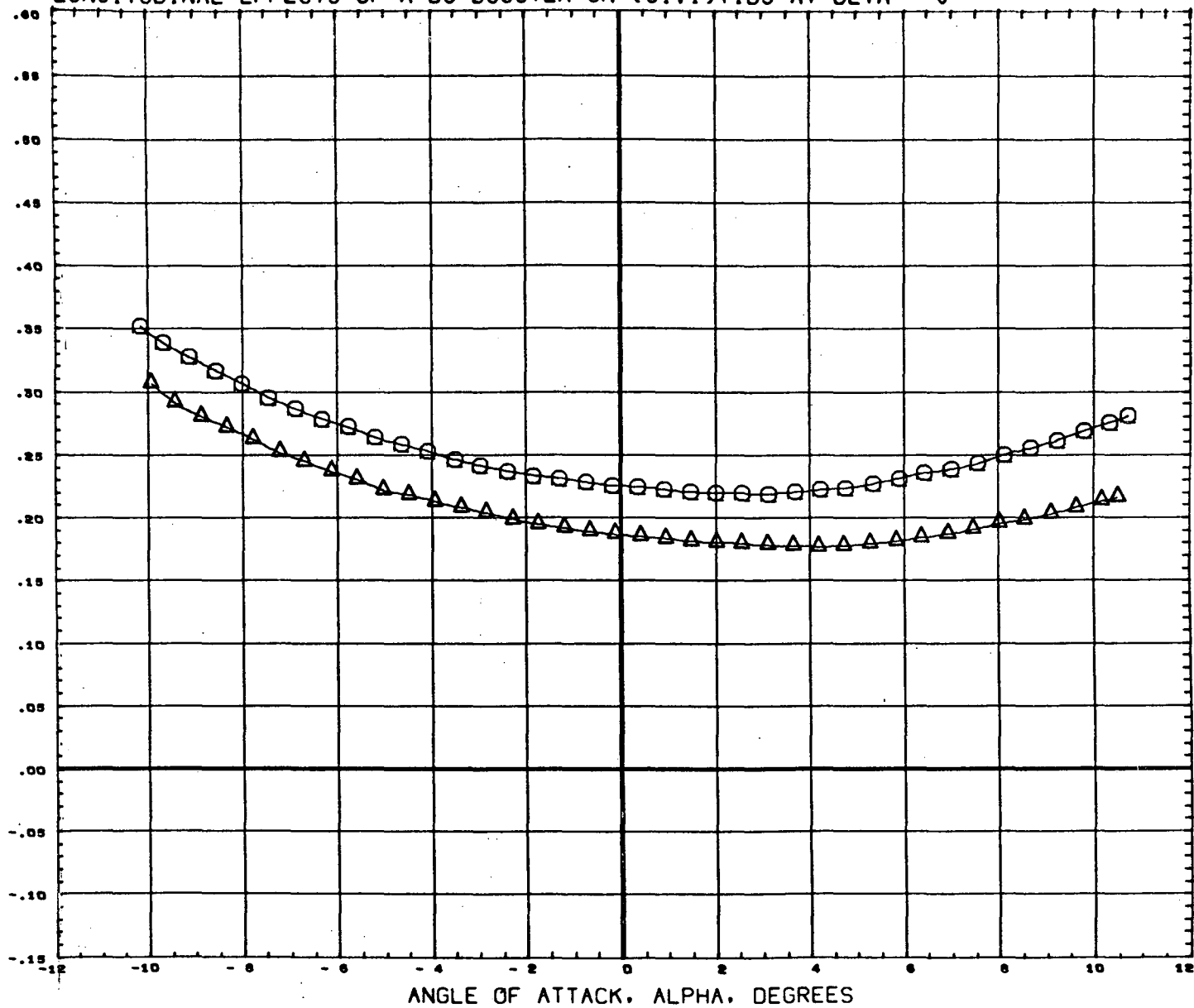
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7433)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7437)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.3004 IN.
						BREF	882.0004 IN.
						XMRF	937.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 768

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7433)  MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5  
(CD7437)  MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5L (B5R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	682.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

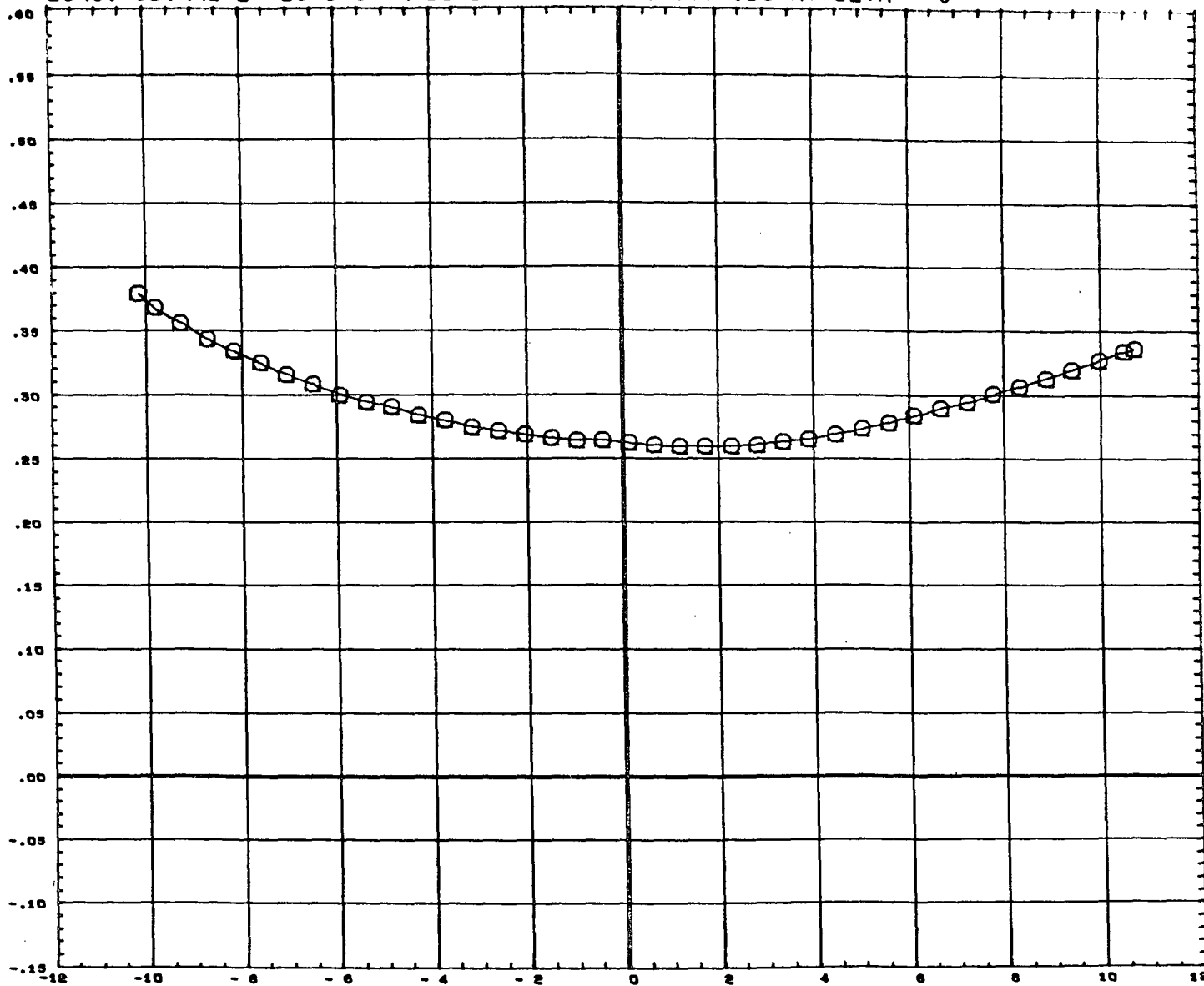
MACH

1.10

PAGE 769

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



ANGLE OF ATTACK, ALPHA, DEGREES

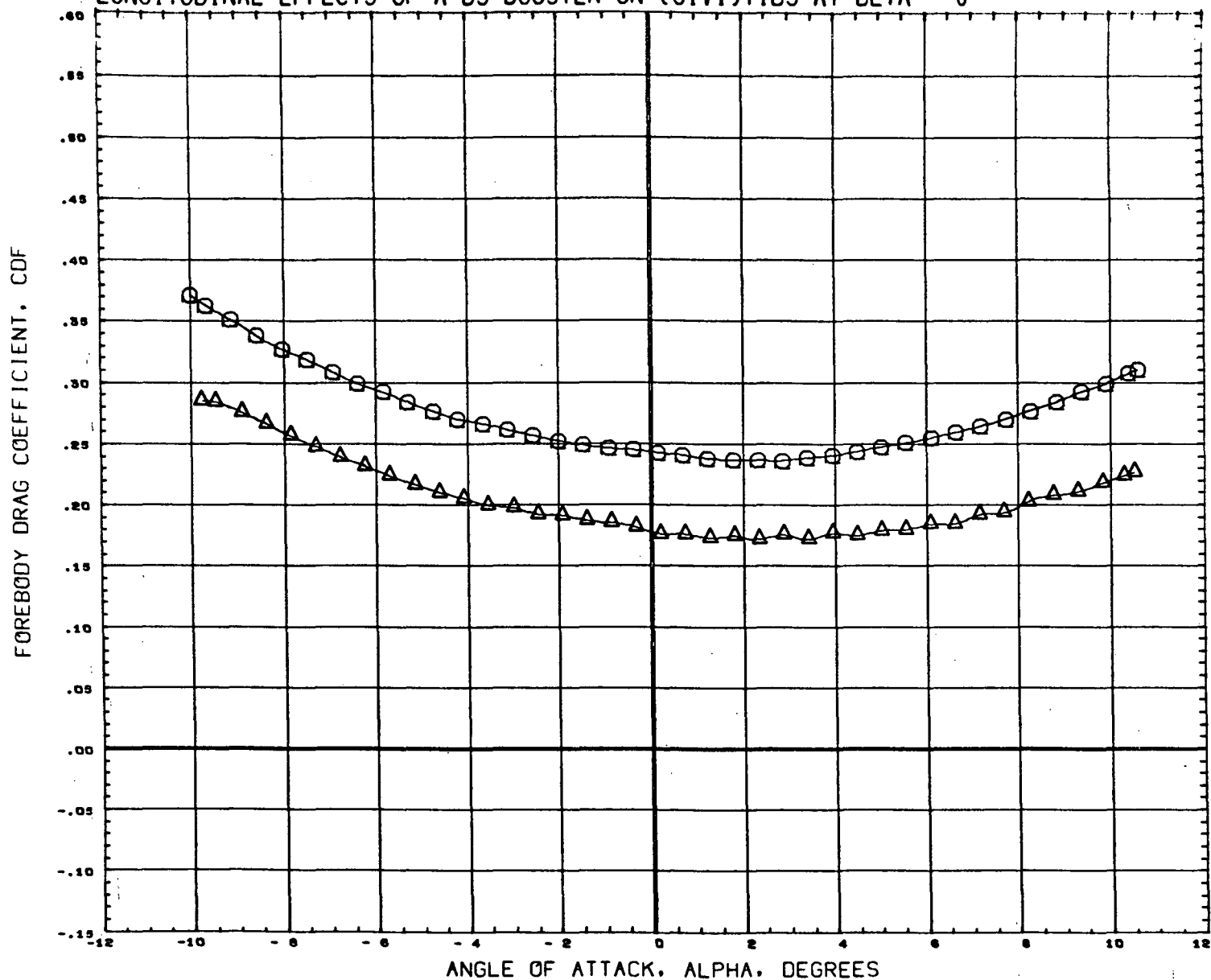
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7433)    ○    MDAC S-222 COMPOSITE (T-C6) (01V1)T1B5  
 (CD7437)    △    DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH    1.51

PAGE    770

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 AT BETA = 0

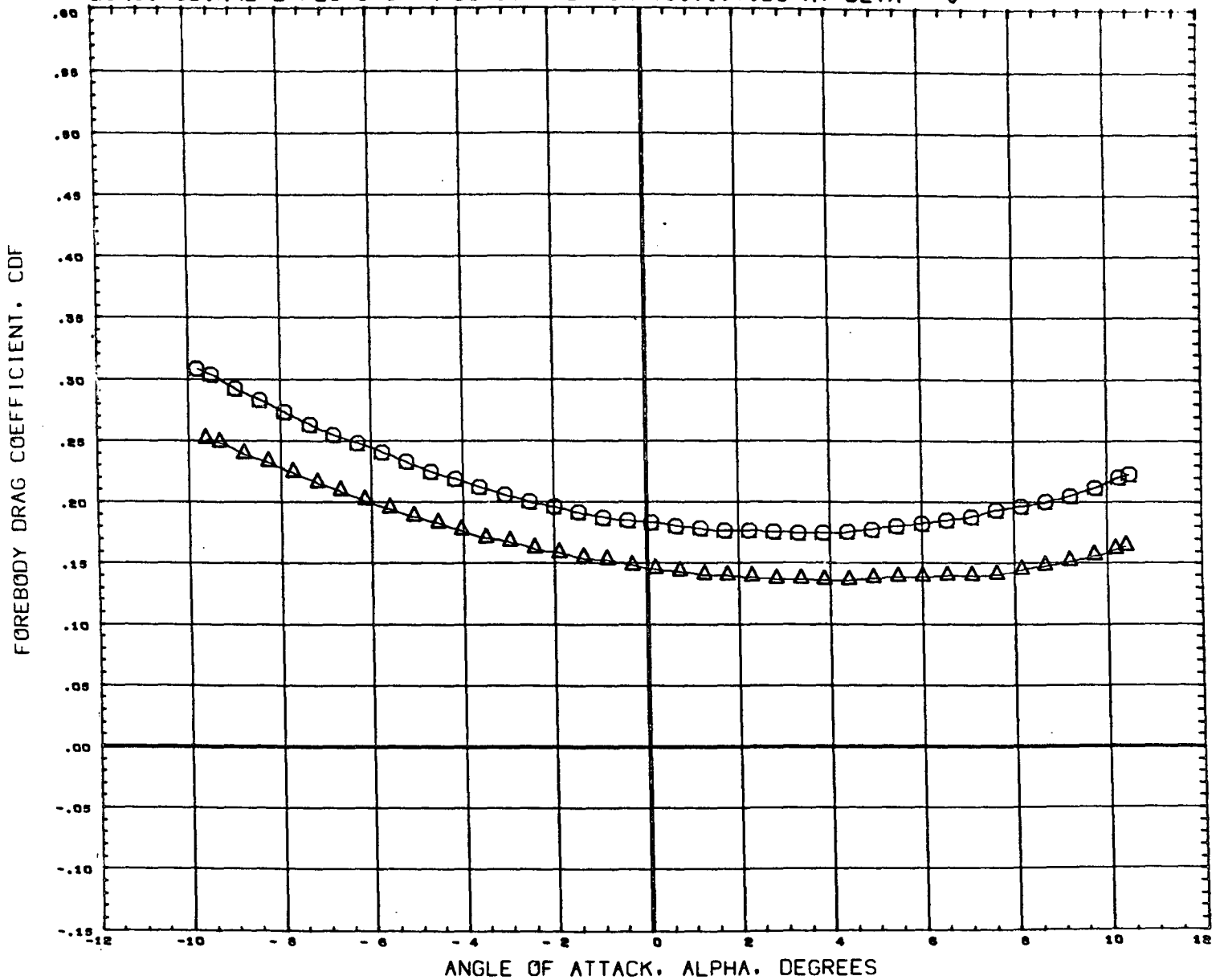


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7433)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7437)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.3004 IN.
						BREF	882.0004 IN.
						XMRP	337.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 771

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 AT BETA = 0



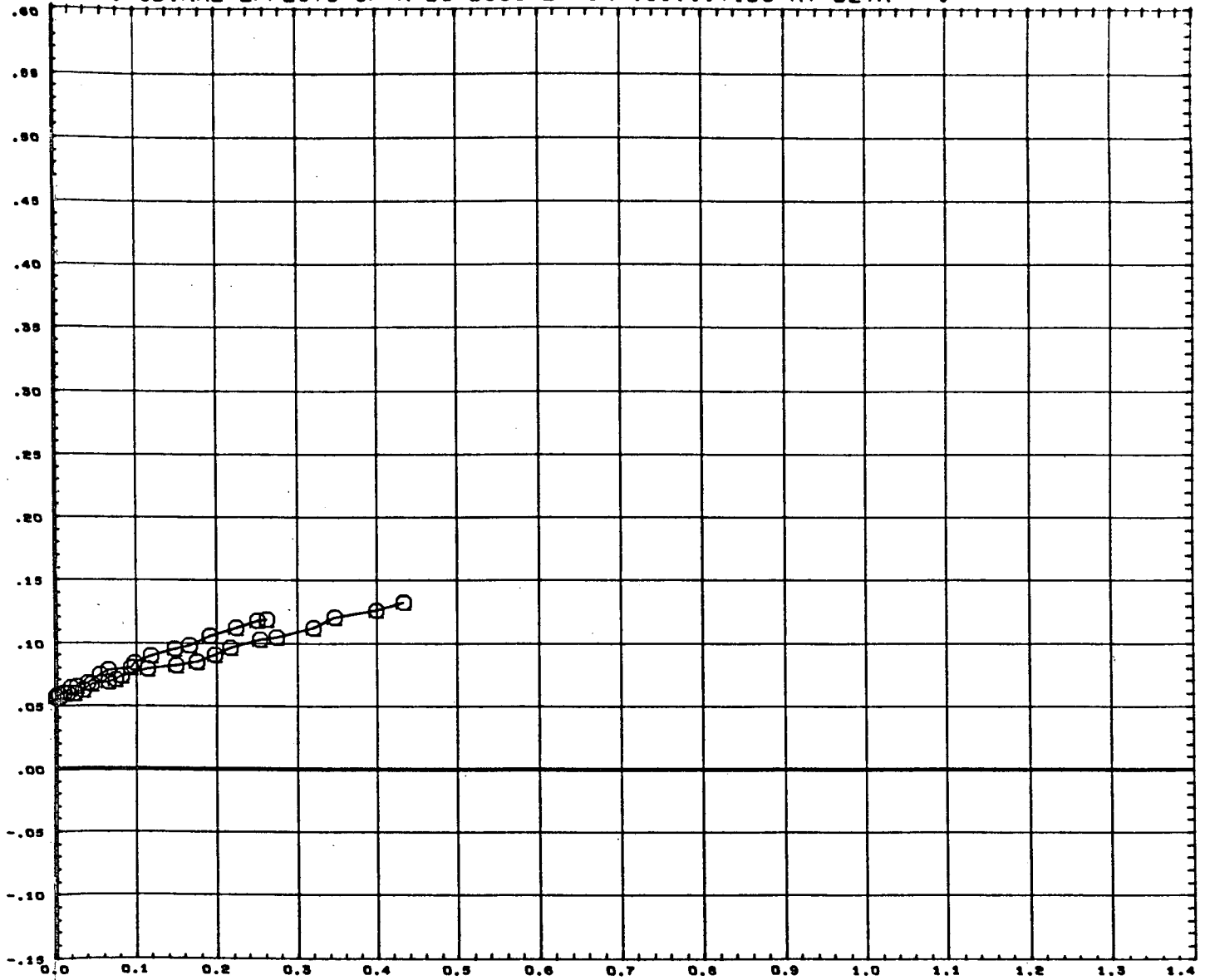
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7433)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7437)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.9004 IN.
						BREF	662.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 772

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



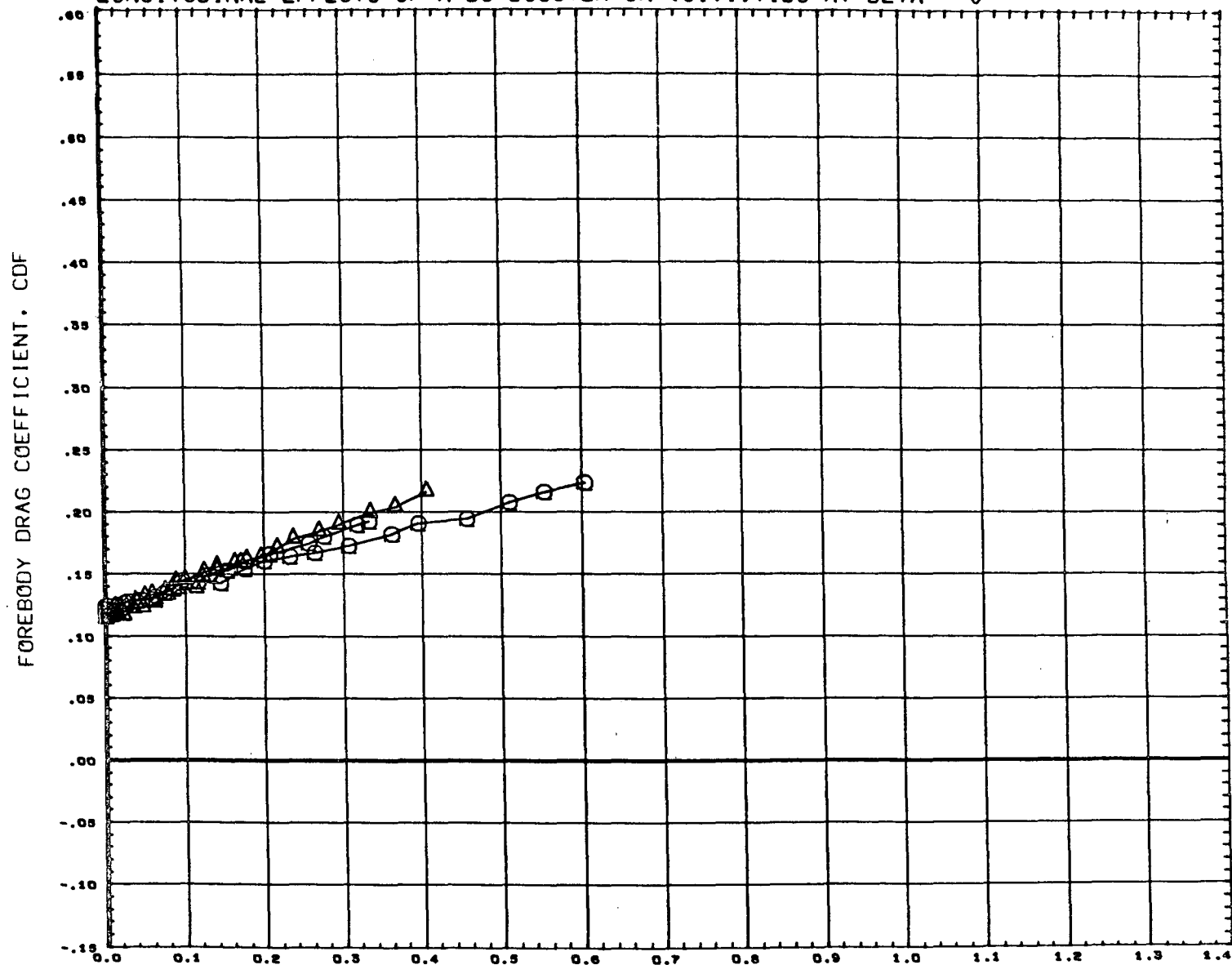
LIFT COEFFICIENT SQUARED, CLSQR

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7433)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7437)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	LREF	609.9004 IN.
						BREF	882.0004 IN.
						XMRP	957.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .59

PAGE 773

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0



LIFT COEFFICIENT SQUARED, CLSQ

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7433) (0) MDAC S-222 COMPOSITE (T-CG) (01V1) T1B5  
 (CD7437) (Δ) MDAC S-222 COMPOSITE (T-CG) (01V1) T1B5L (B5R)

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	662.0004	IN.
XMRP	597.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

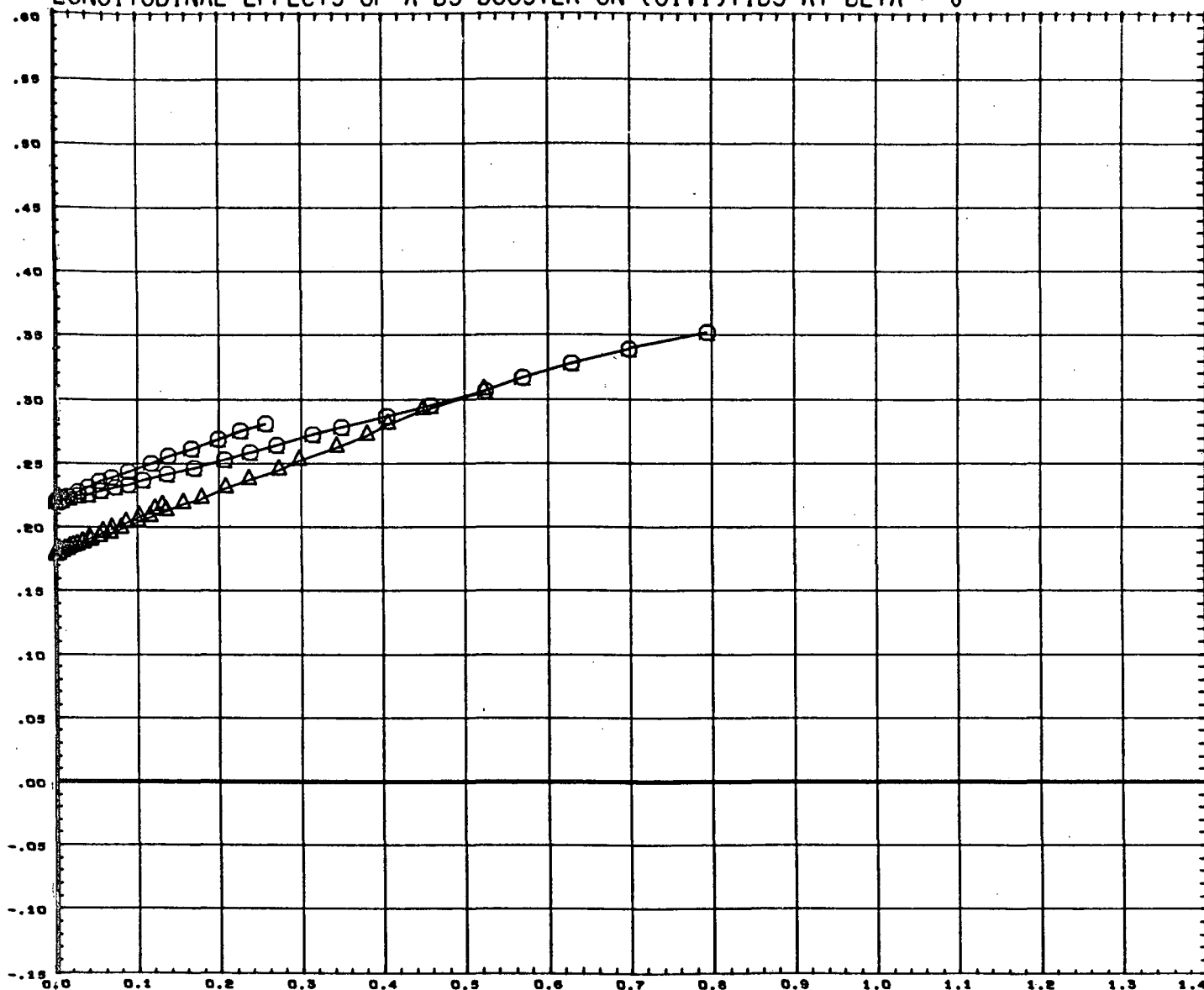
MACH .90

PAGE 774



# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQ

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7433)	MDAC S-222 COMPOSITE(T-CG) (01V1)T1B5
(CD7437)	MDAC S-222 COMPOSITE(T-CG) (01V1)T1B5L (B5R)

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

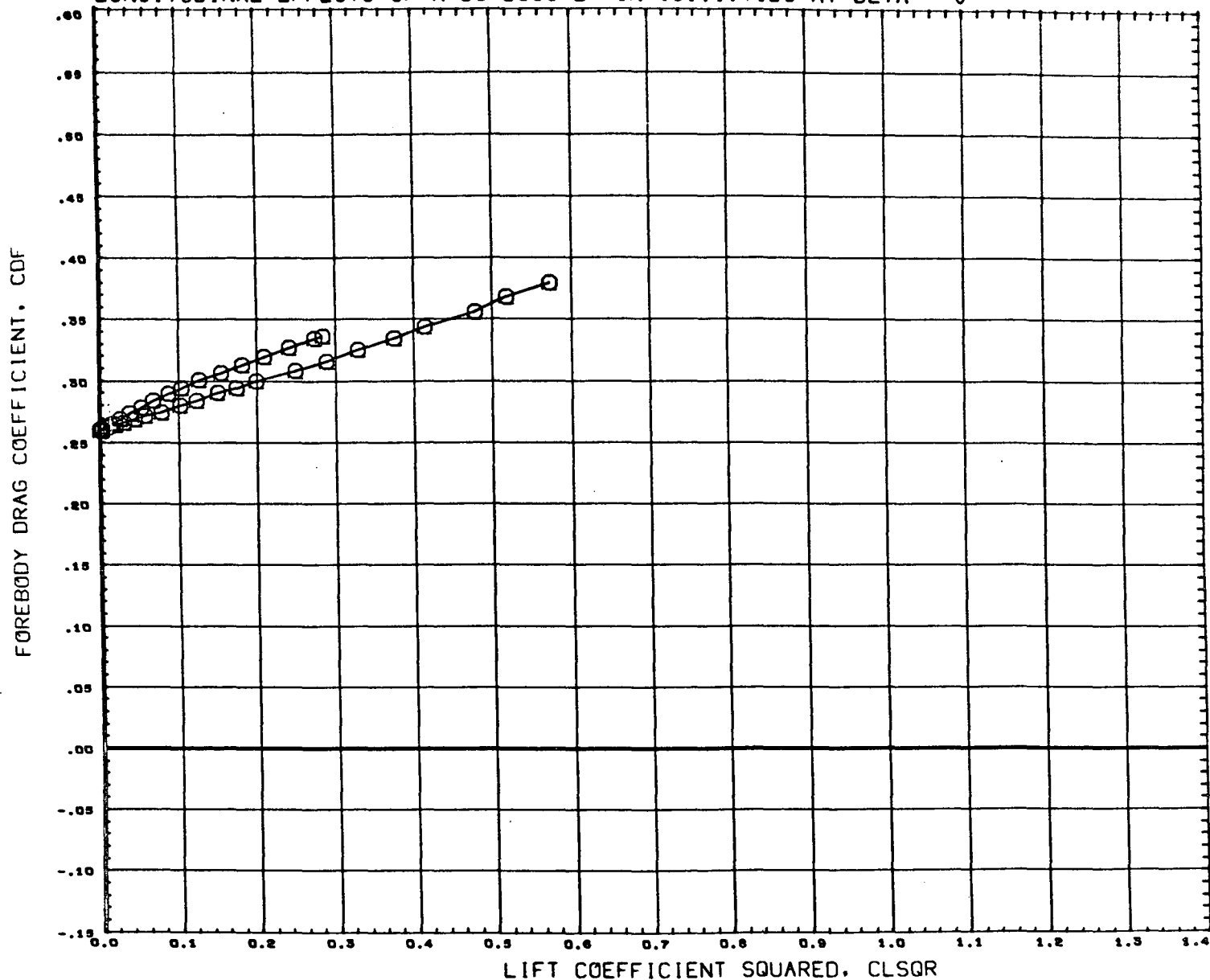
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	662.0004	IN.
XHRP	557.0004	IN.
YHRP	0.0000	IN.
ZHRP	200.0004	IN.
SCALE	0.0060	

MACH

1.10

PAGE 775

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0



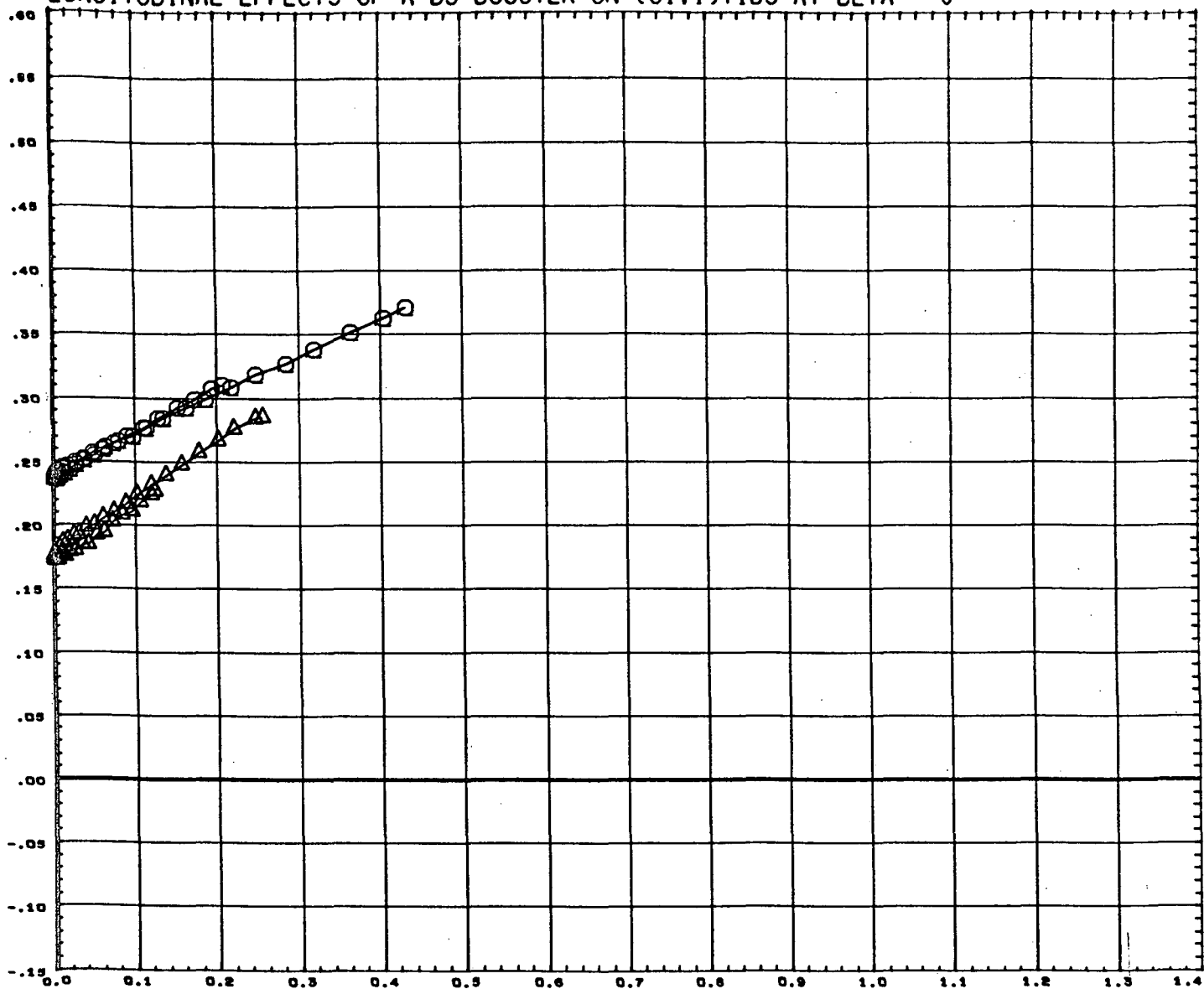
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7433)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7437)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	662.0004 IN.
						XMRP	957.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

PAGE 776

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQ

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7433) MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5  
(CD7437) MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5L (B5R)

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

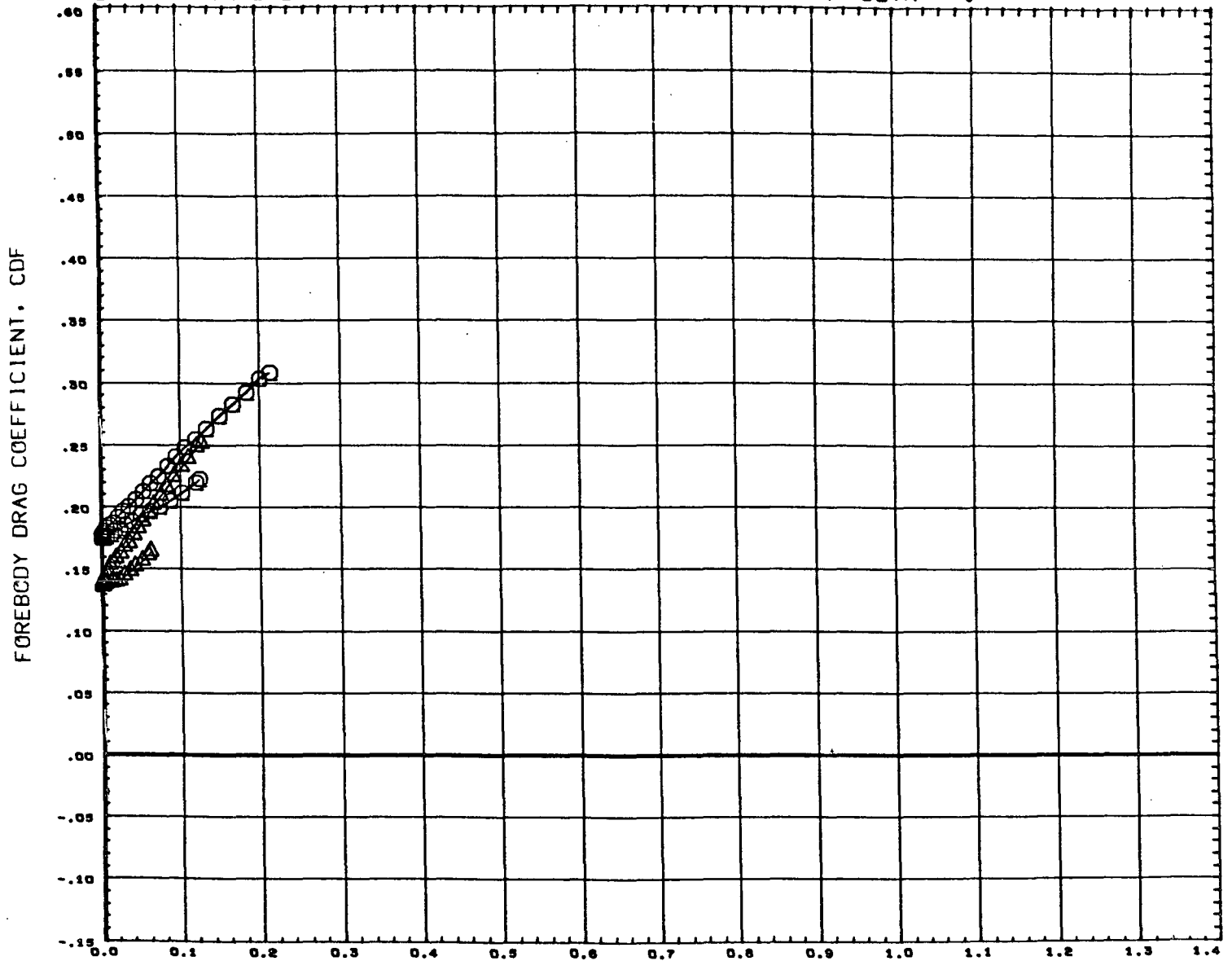
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	-0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH

2.20

PAGE 777

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0



LIFT COEFFICIENT SQUARED, CLSQ

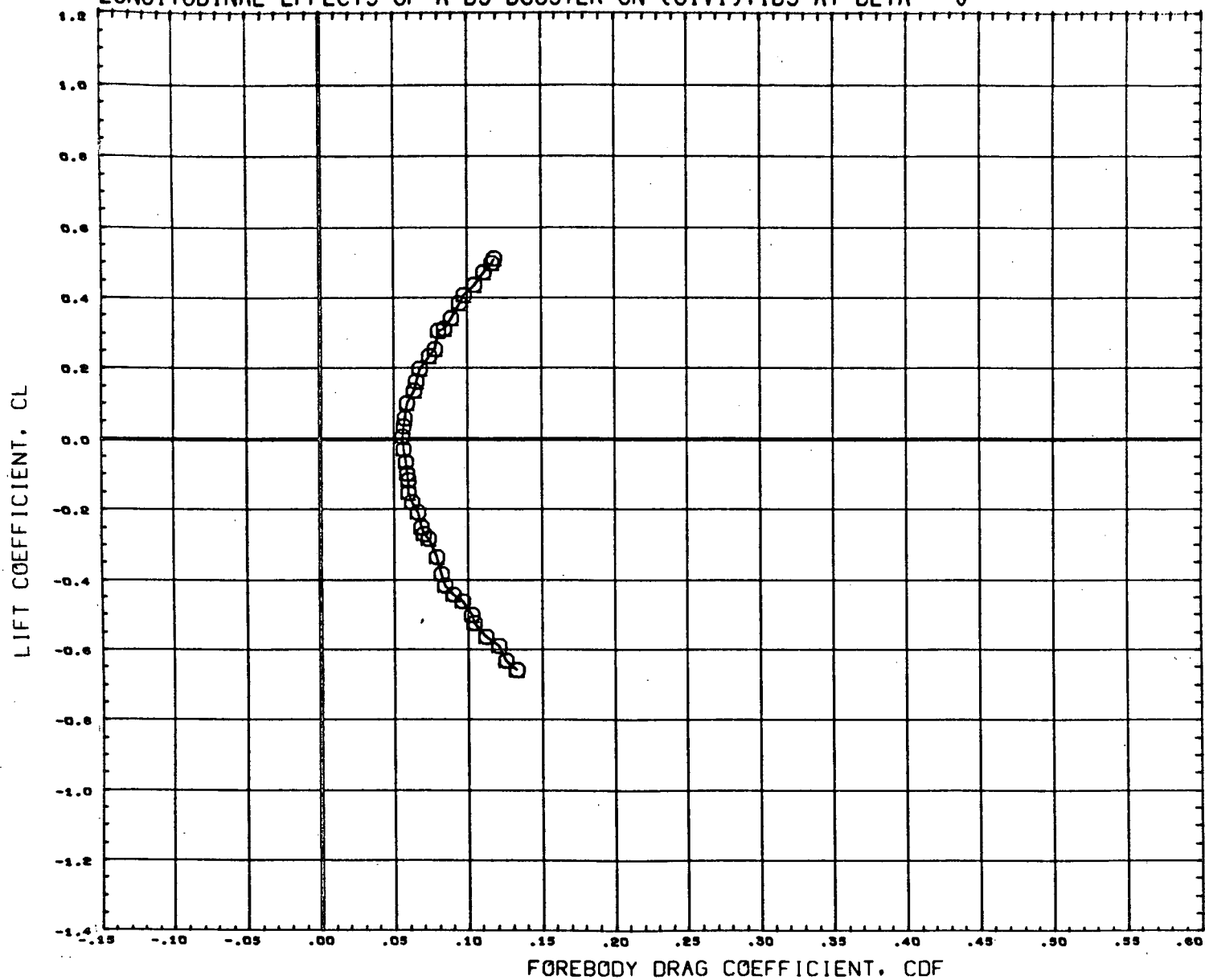
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7433)	MDAC S-222 COMPOSITE (T-CG) (01V1) T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7437)	MDAC S-222 COMPOSITE (T-CG) (01V1) T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH

4.47

PAGE 778

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0



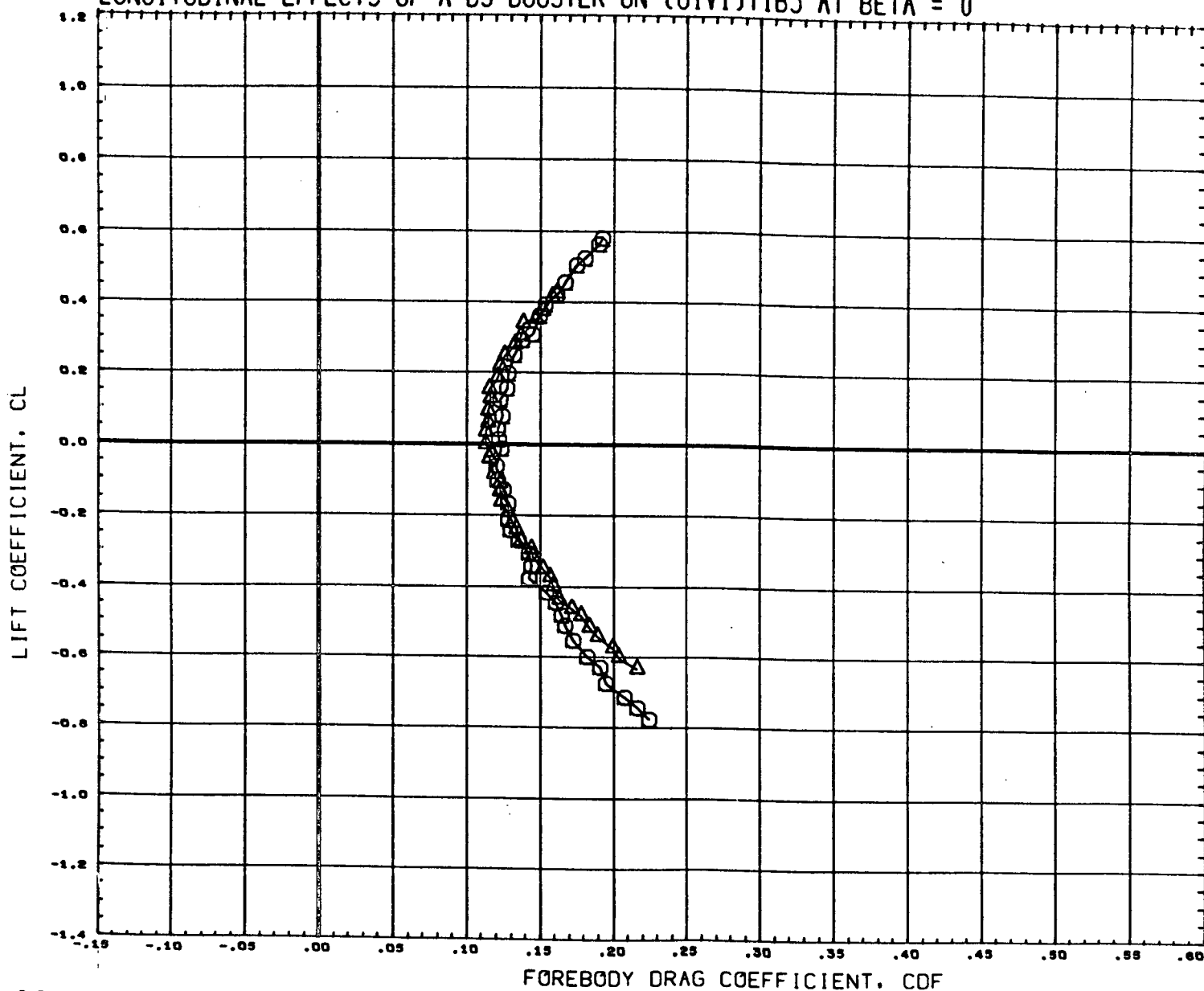
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7433)    MDAC S-222 COMPOSITE (T-C6) (01V1)T1B5  
 (CD7437)    DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	662.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .59

PAGE 779

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7433)  $\bigcirc$  MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5  
 (CD7437)  $\triangle$  MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5L (B5R)

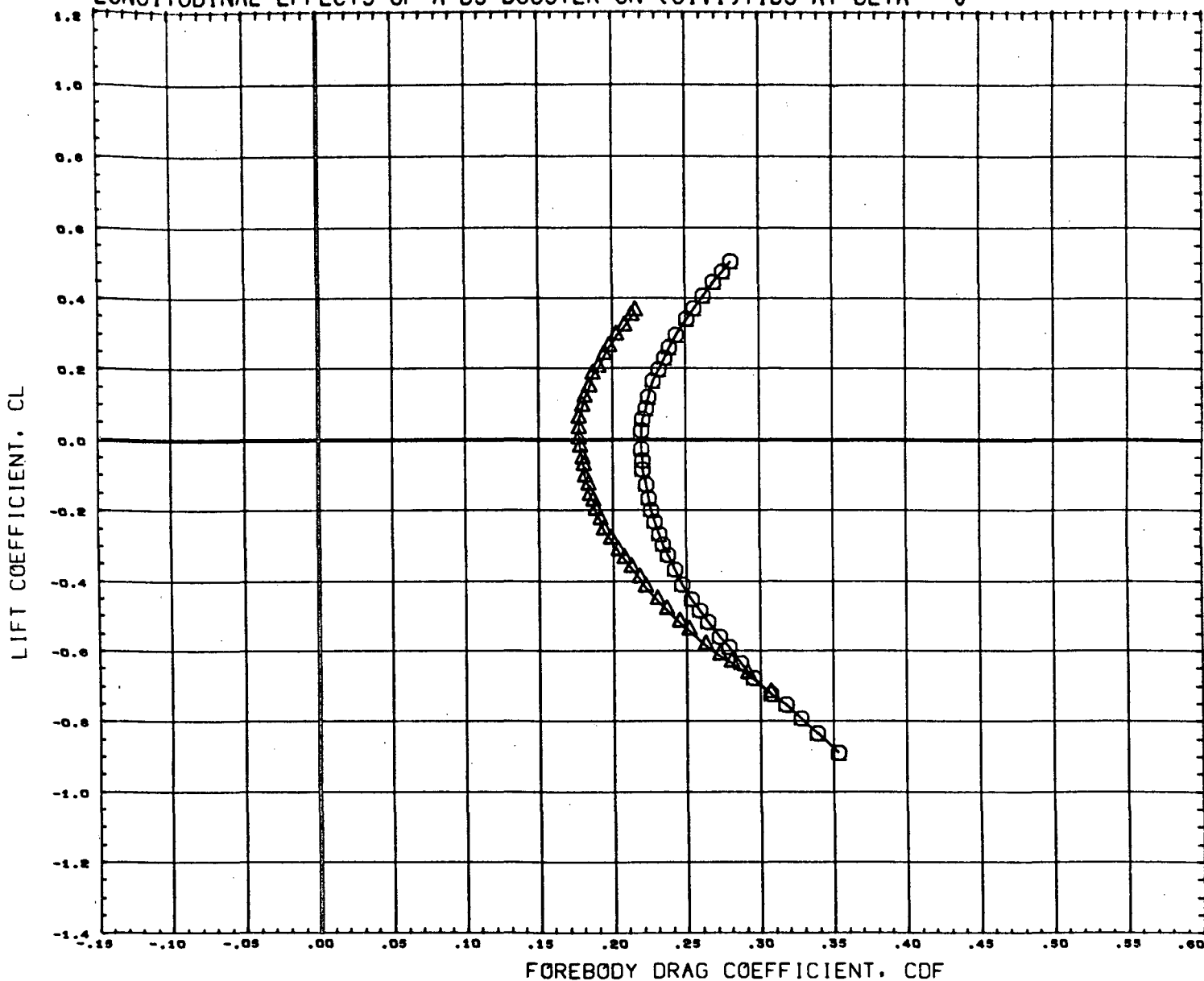
BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 0.000 0.000 0.000 0.000

REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 662.0004 IN.  
 XMRP 597.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH .90

PAGE 780

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0

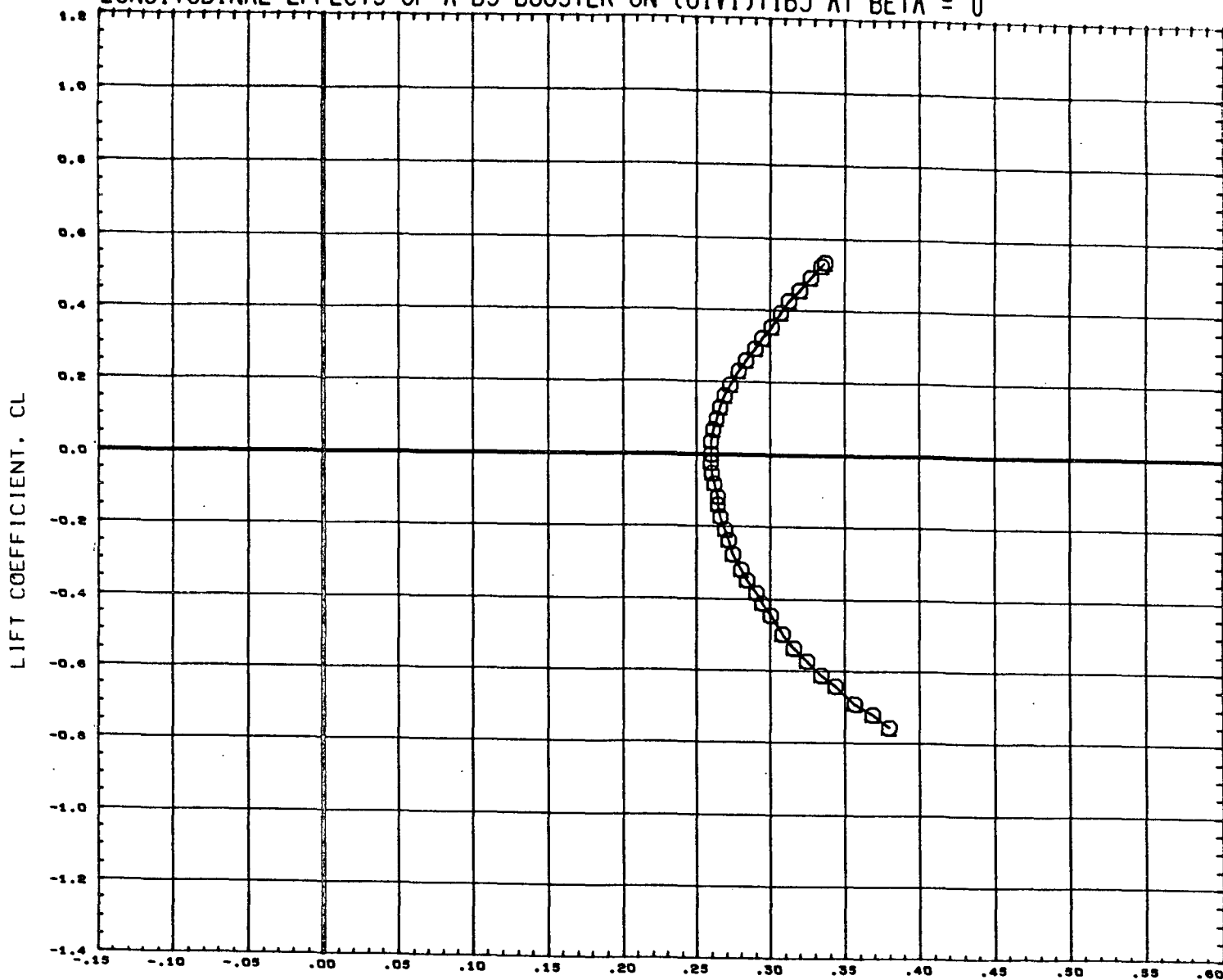


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7433)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7437)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

PAGE 781

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 AT BETA = 0



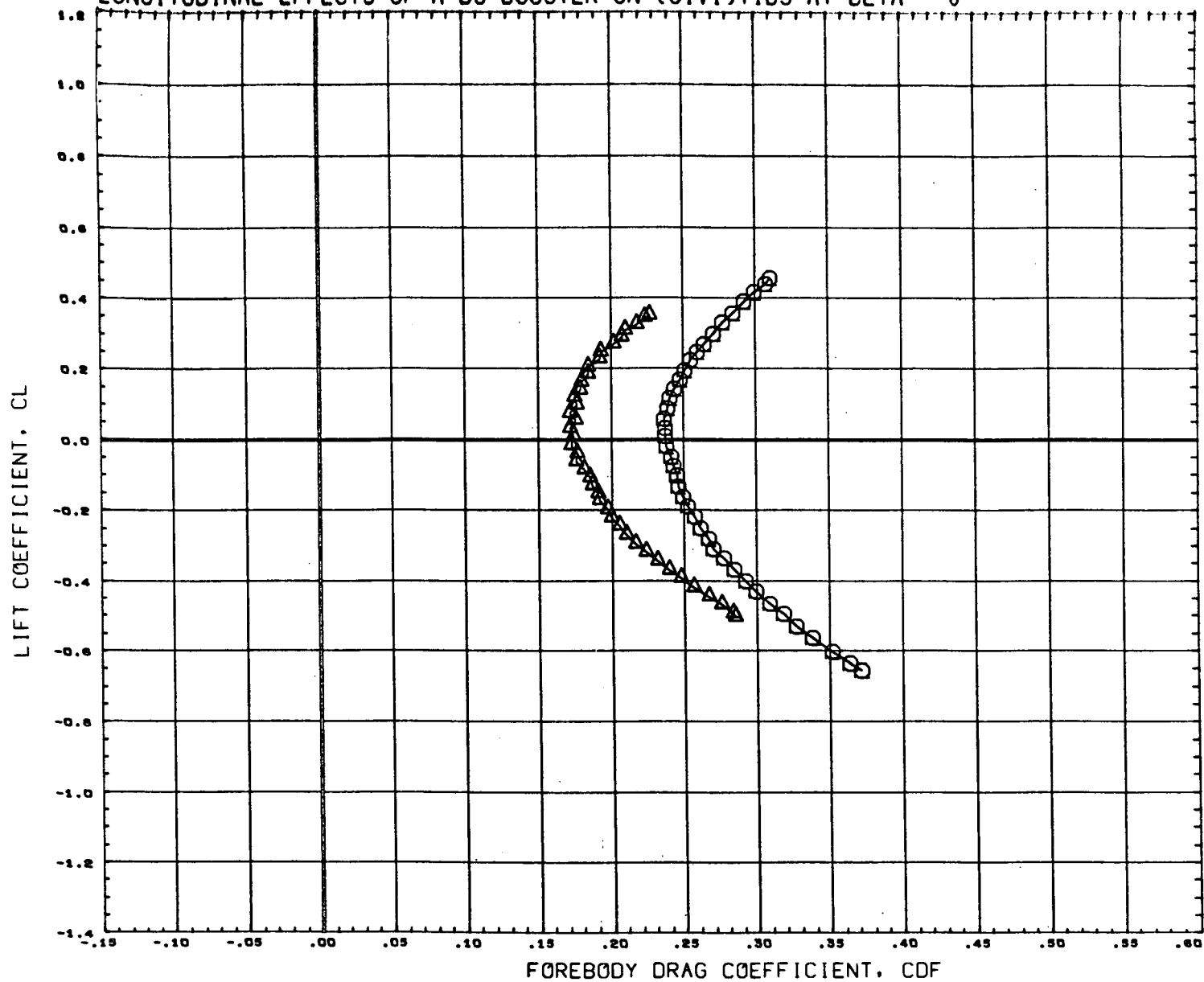
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7433) MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5  
 (CD7437) DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	862.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51



# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7433) (01V1)T1B5  
(CD7437) (01V1)T1B5L (B5R)

BETA ELEVTR AILRON RUDDER  
0.000 0.000 0.000 0.000  
0.000 0.000 0.000 0.000

REFERENCE INFORMATION

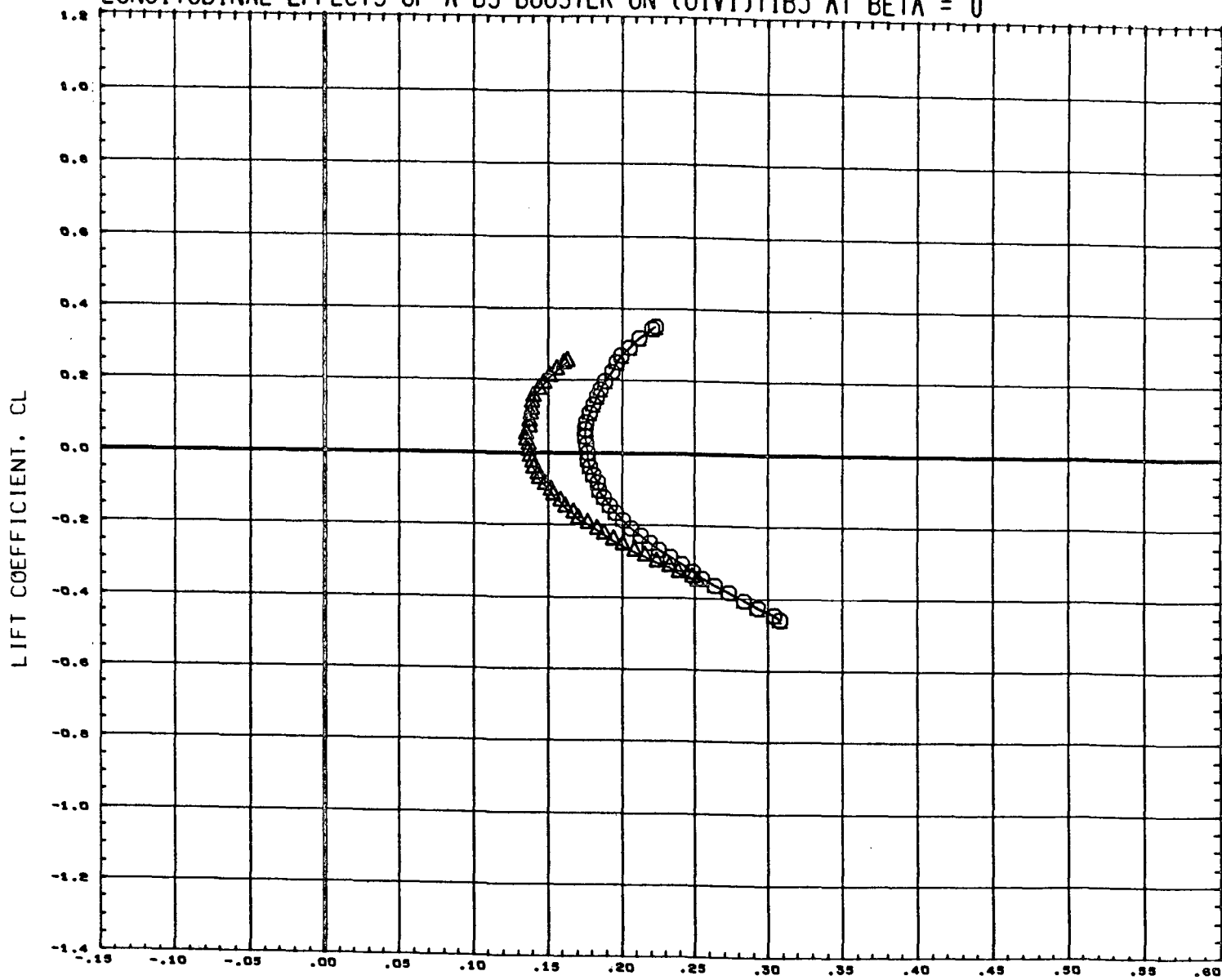
SREF 3155.3040 SQ.FT.  
LREF 609.5004 IN.  
BREF 662.0004 IN.  
XMRP 557.0004 IN.  
YMRP 0.0000 IN.  
ZMRP 200.0004 IN.  
SCALE 0.0060

MACH

2.20



PAGE 783

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 AT BETA = 0



FOREBODY DRAG COEFFICIENT, CDF

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7433)  MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5  
(CD7437)  MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5L (B5R)

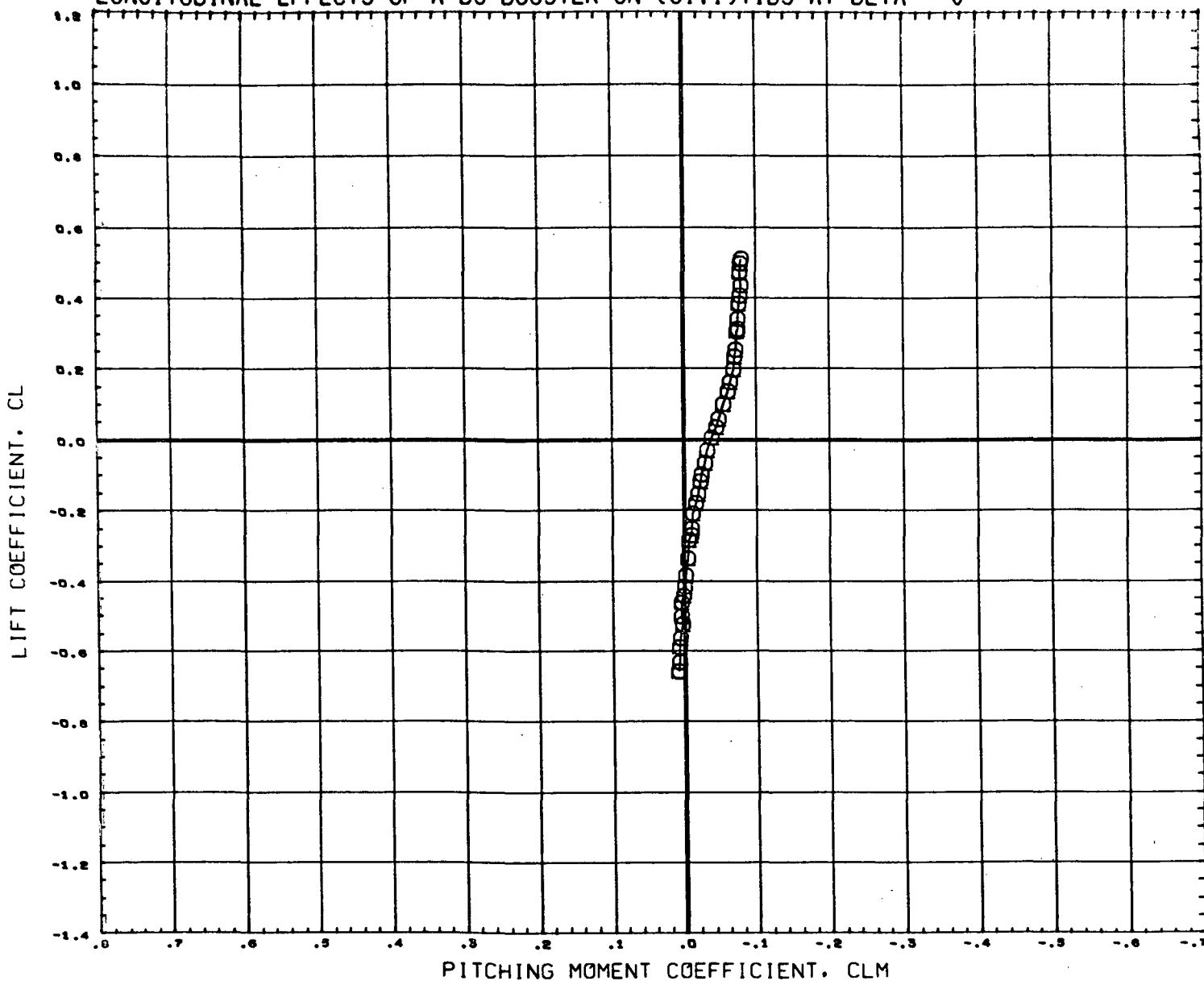
BETA ELEVTR AILRON RUDDER  
0.000 0.000 0.000 0.000  
0.000 0.000 0.000 0.000


REFERENCE INFORMATION  
SREF 3155.3040 SQ.FT.  
LREF 609.5004 IN.  
BREF 882.0004 IN.  
XMRP 537.0004 IN.  
YMRP 0.0000 IN.  
ZMRP 200.0004 IN.  
SCALE 0.0060

MACH 4.47

PAGE 784

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 AT BETA = 0



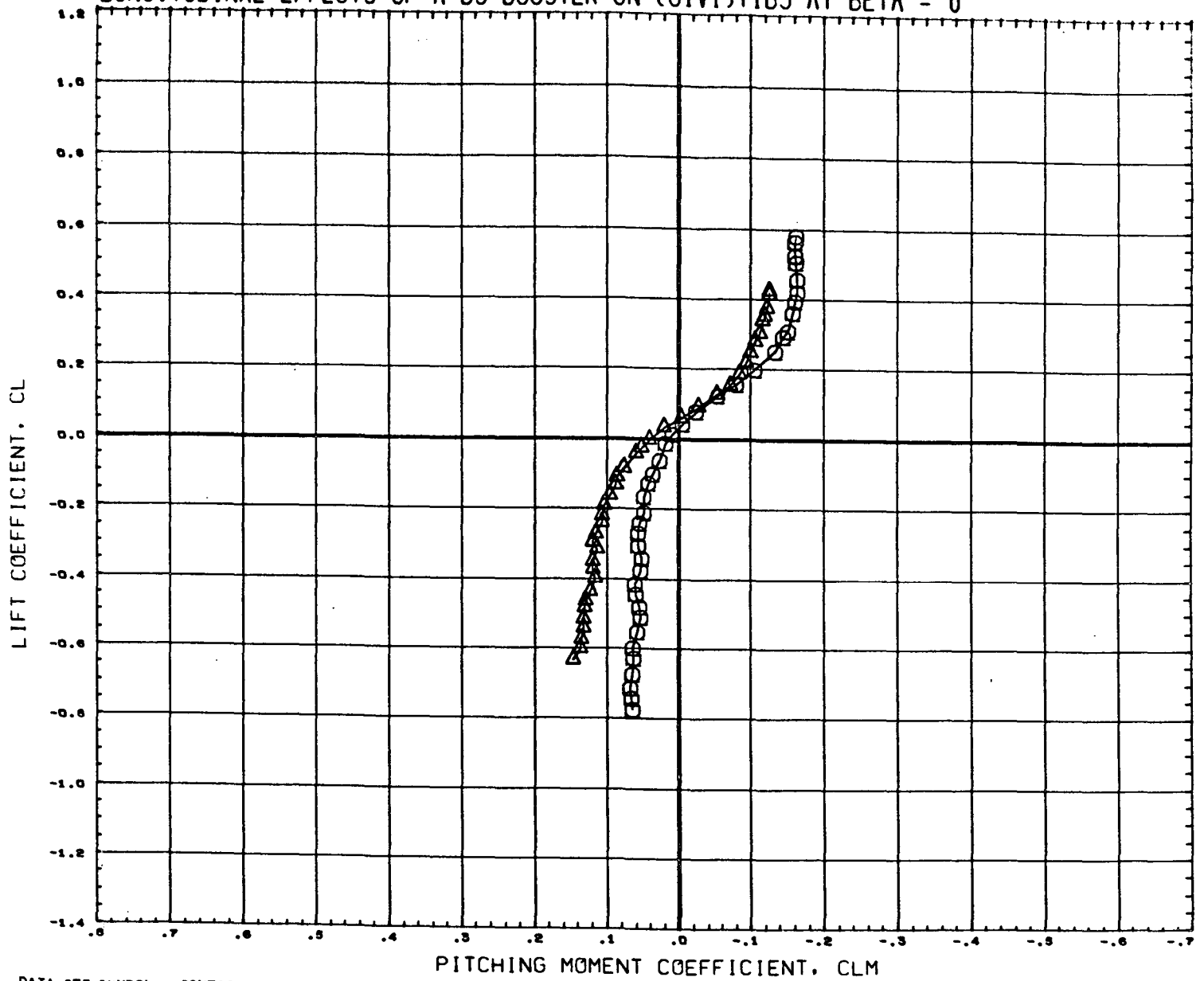
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7433)  MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5  
 (CD7437) DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	537.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .59

PAGE 785

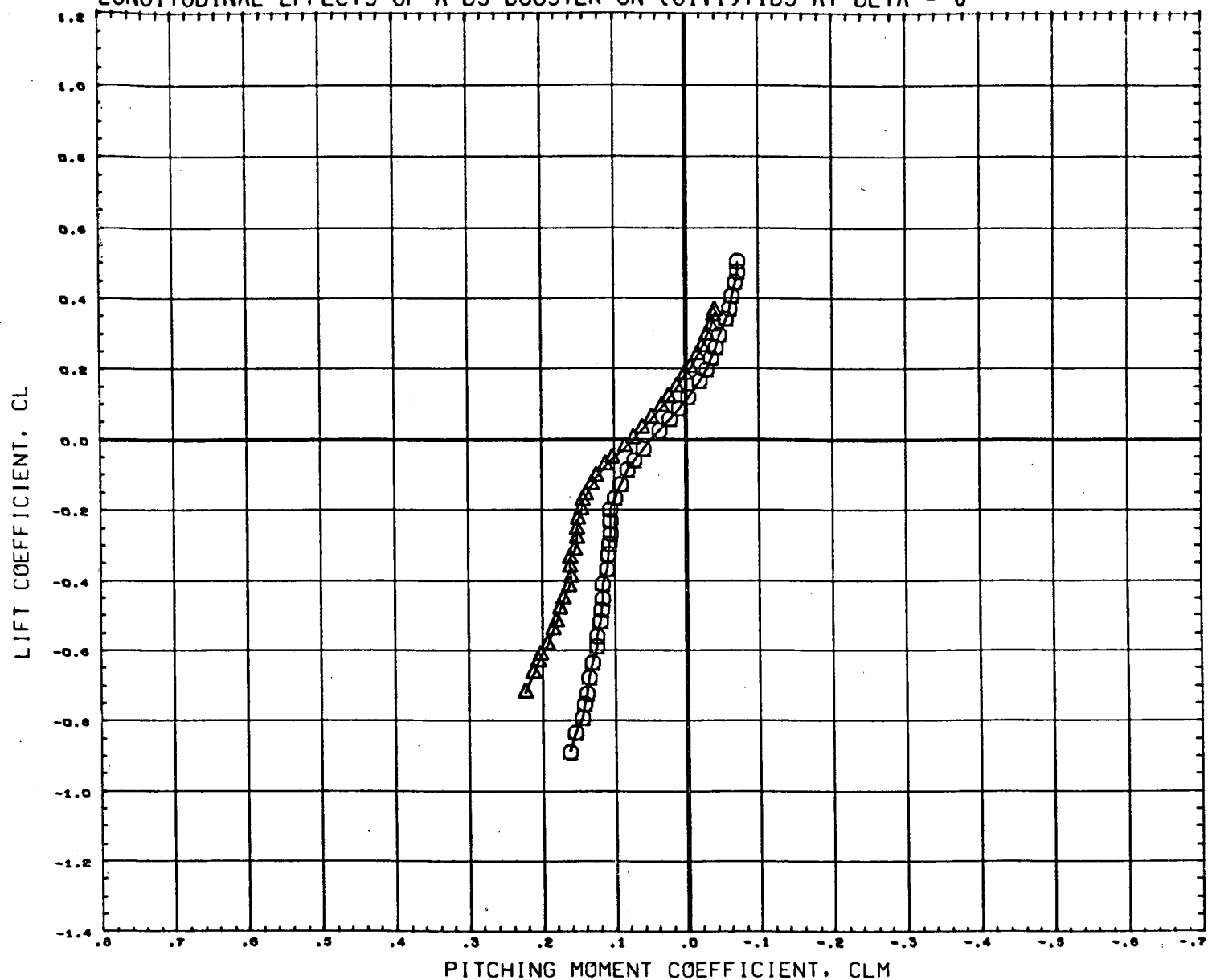
# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0





DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07433)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07437)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	682.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7433)  MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5  
(CD7437)  MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5L (B5R)

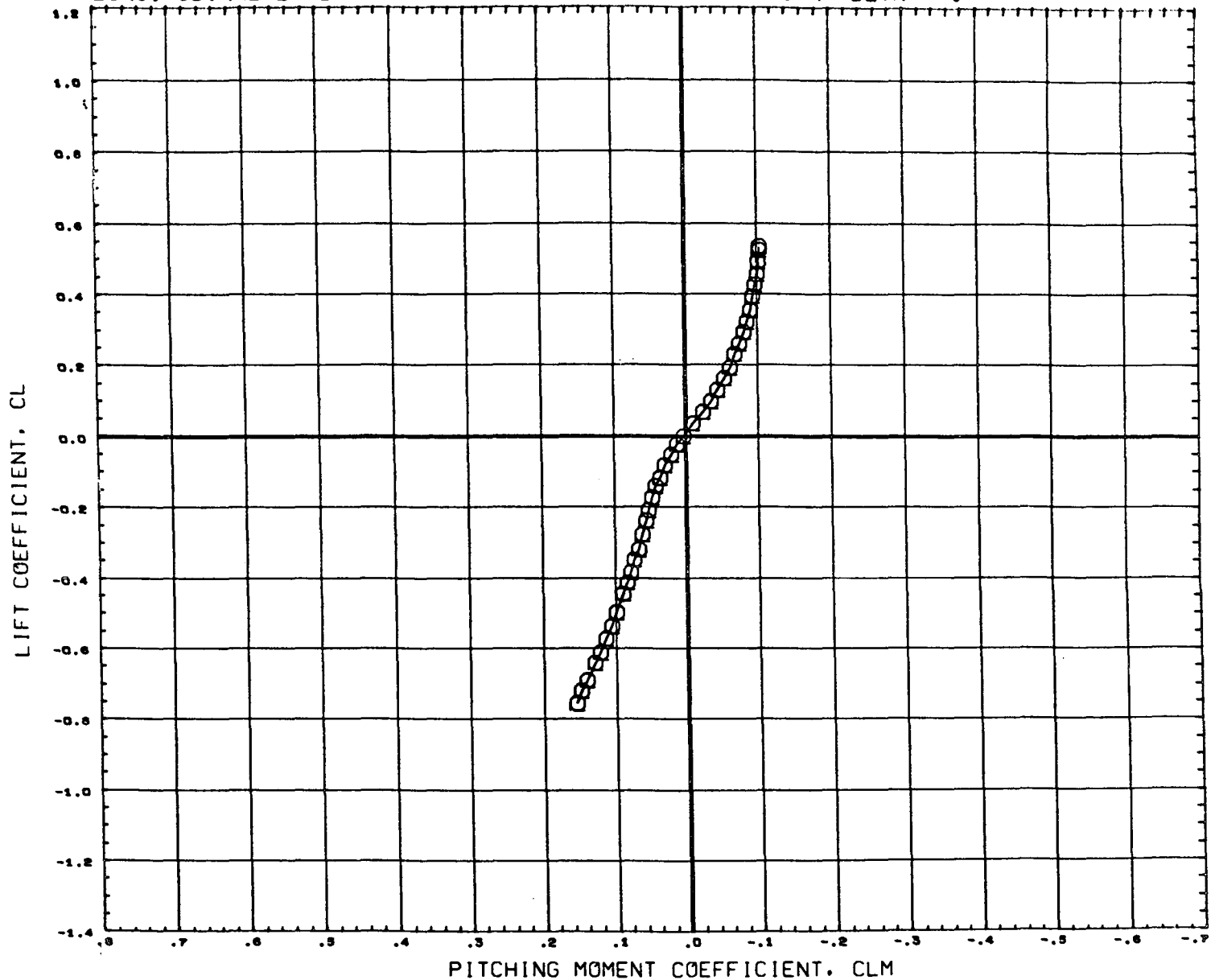
BETA ELEVTR AILRON RUDDER  
0.000 0.000 0.000 0.000  
0.000 0.000 0.000 0.000

REFERENCE INFORMATION  
SREF 3155.3040 SQ.FT.  
LREF 609.5004 IN.  
BREF 882.0004 IN.  
XMRP 337.0004 IN.  
YMRP 0.0000 IN.  
ZMRP 200.0004 IN.  
SCALE 0.0060

MACH 1.10

PAGE 787

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0



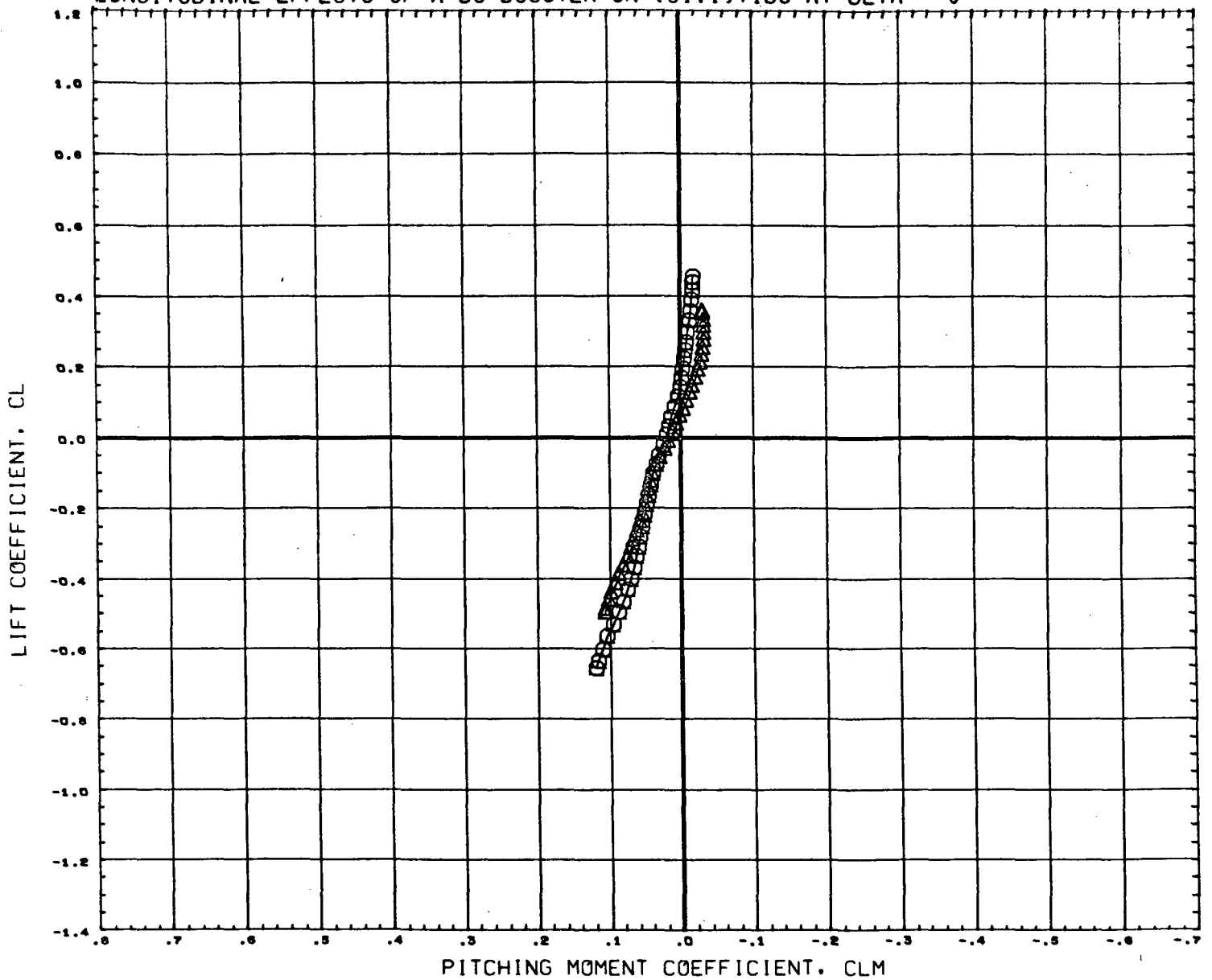
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7433) MDAC S-222 COMPOSITE(T-CG) (01V1)T1B5  
 (CD7437) DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.3004	IN.
				BREF	882.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH 1.51

PAGE 788

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0

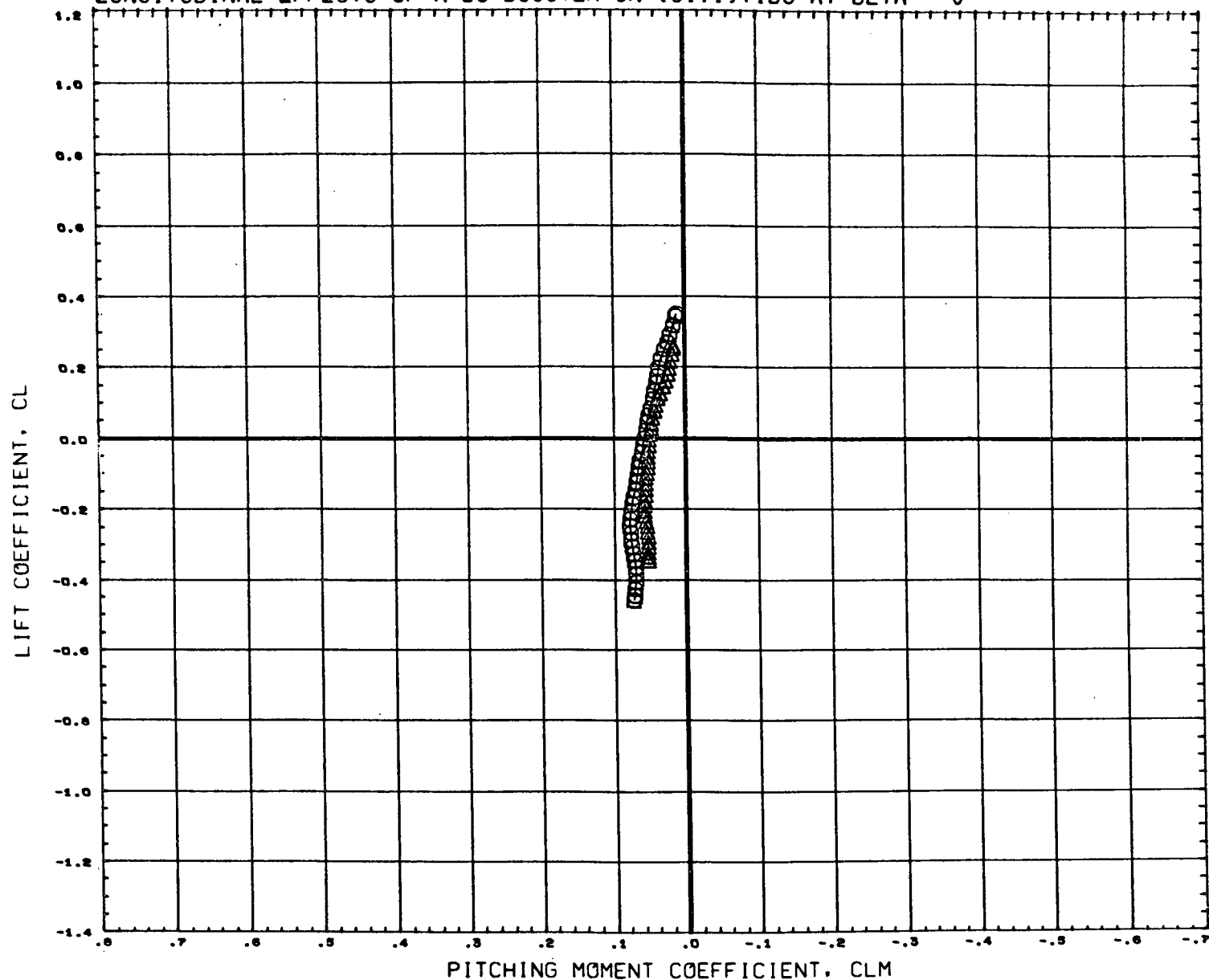


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7433)	MDAC S-222 COMPOSITE(T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7437)	MDAC S-222 COMPOSITE(T-CG) (01V1)T1B5L(B5R)	0.000	0.000	0.000	0.000	LREF	609.9004 IN.
						BREF	882.0004 IN.
						XMRP	957.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	800.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 789

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7433)	MDAC S-222 COMPOSITE (T-C6) (O1V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7437)	MDAC S-222 COMPOSITE (T-C6) (O1V1)T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0080

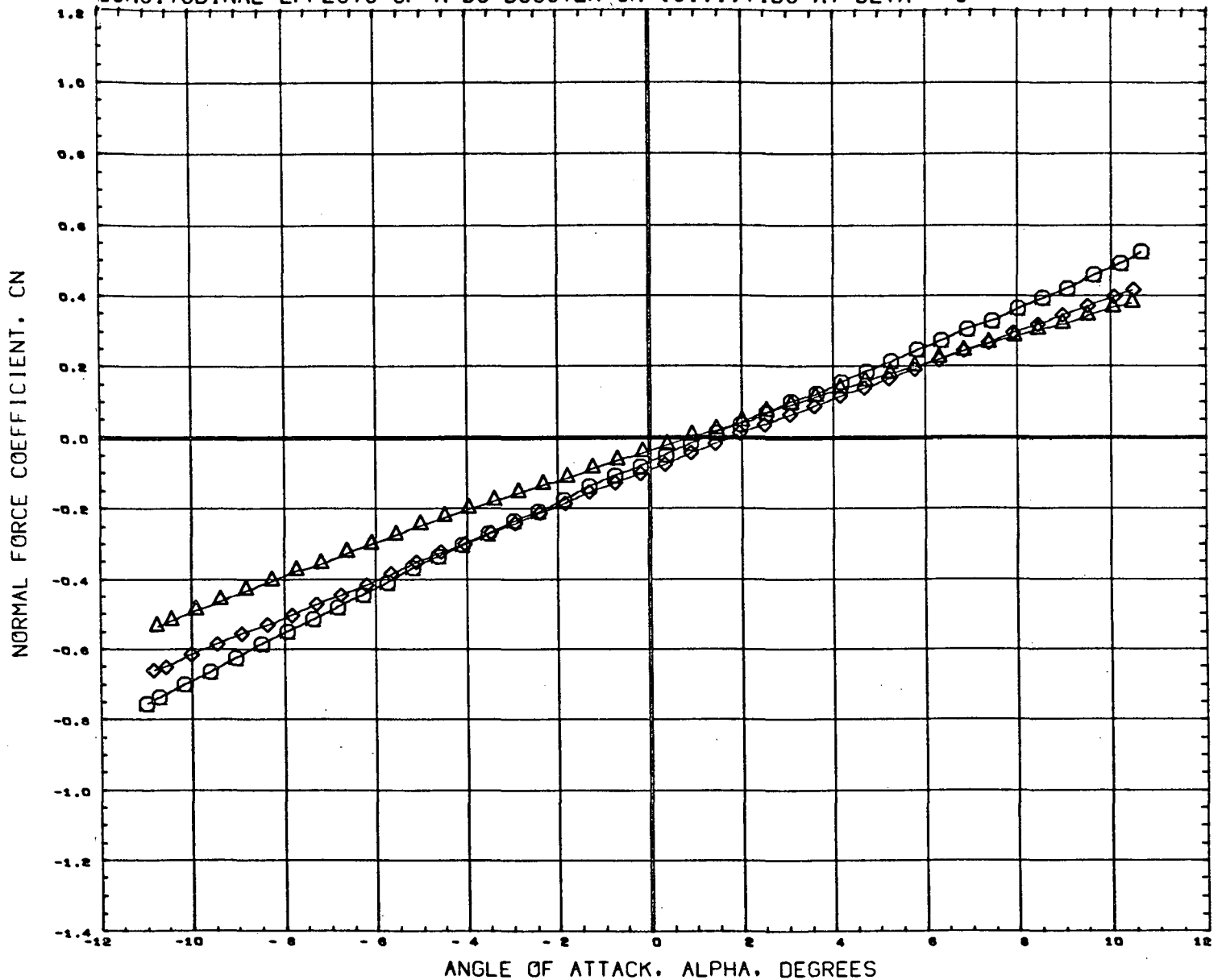
MACH

4.47

PAGE 790



# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 6

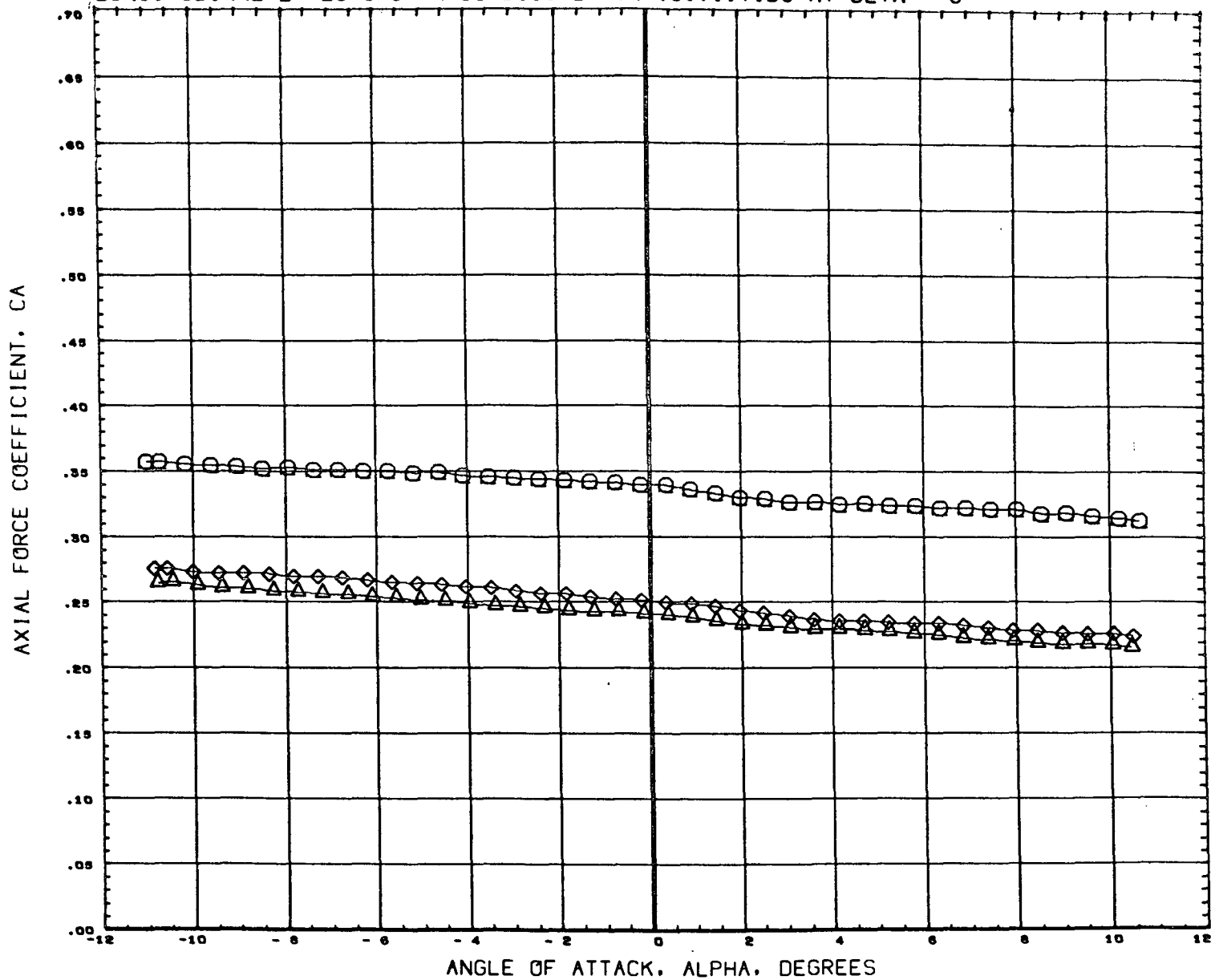


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7435)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7439)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5L (B5R)	6.000	0.000	0.000	0.000	LREF	609.3004 IN.
(CD7440)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1 (B5L) B5R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 791

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 AT BETA = 6



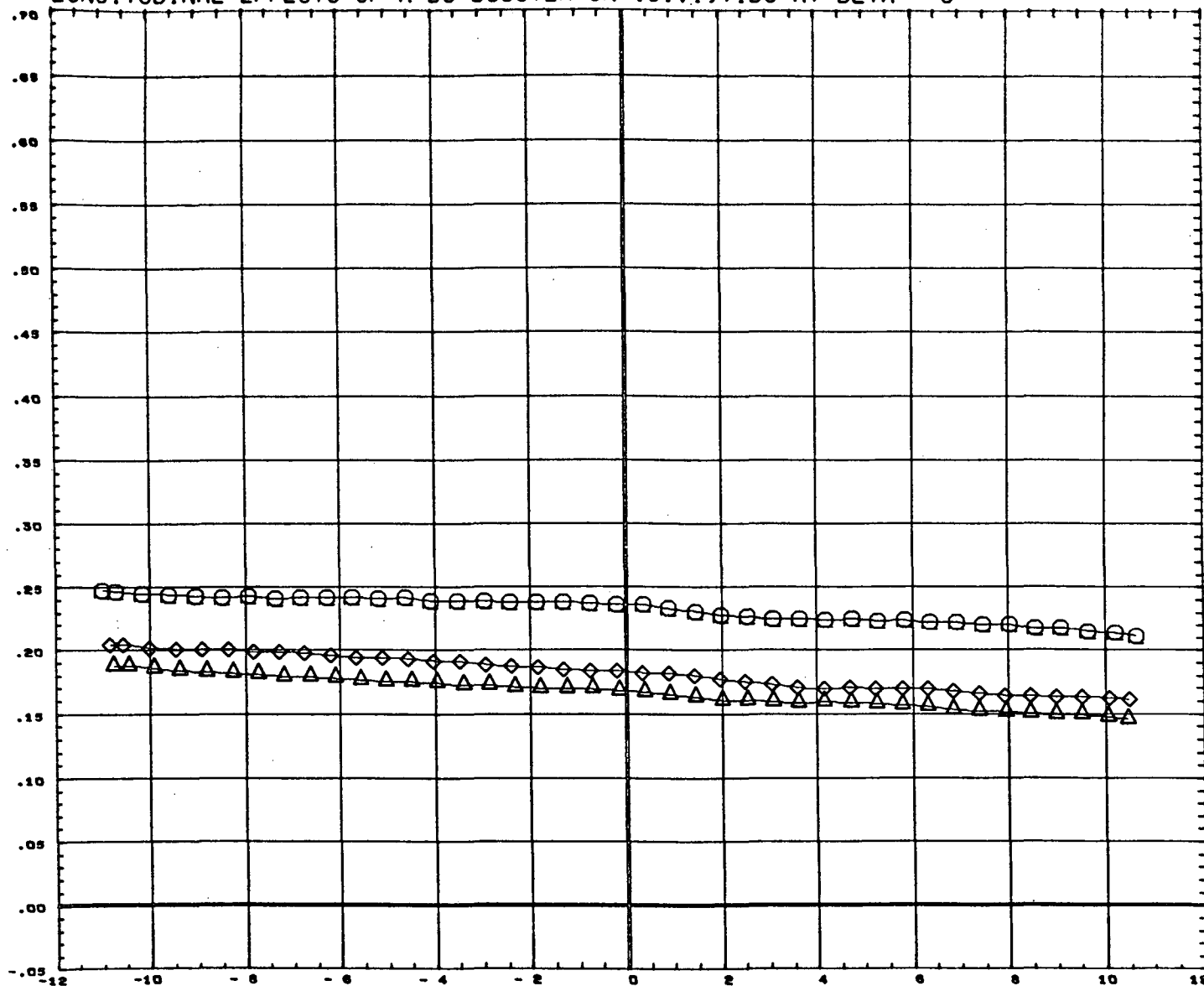
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7435)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7439)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5L (B5R)	6.000	0.000	0.000	0.000	LREF	609.9004 IN.
(CD7440)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T1 (B5L)B5R	6.000	0.000	0.000	0.000	BREF	682.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 792

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 AT BETA = 6

FOREBODY AXIAL FORCE COEFFICIENT, CAF



ANGLE OF ATTACK, ALPHA, DEGREES

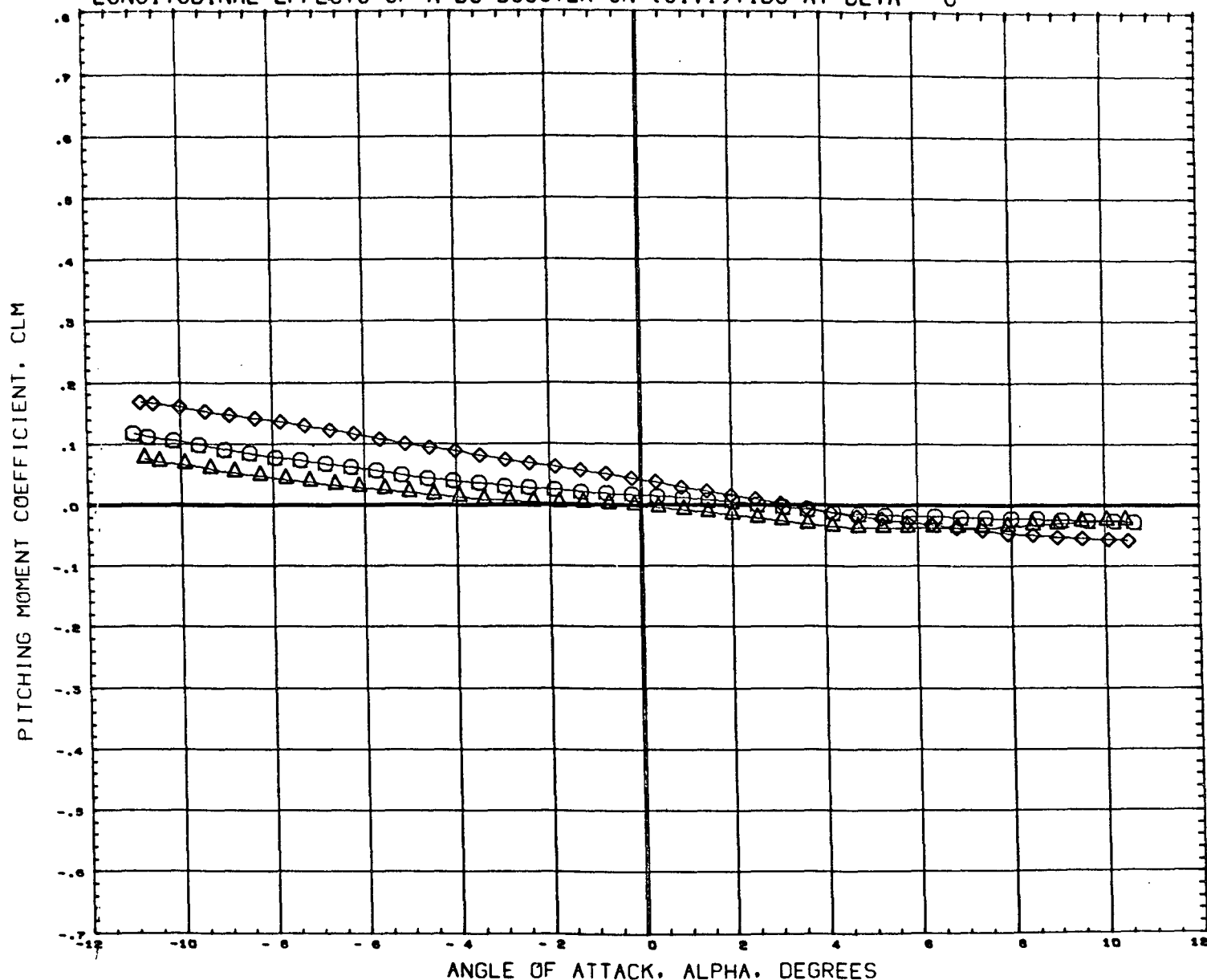
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7435)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7439)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5L(B5R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7440)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T1(B5L)B5R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH

2.20

PAGE 793

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 6

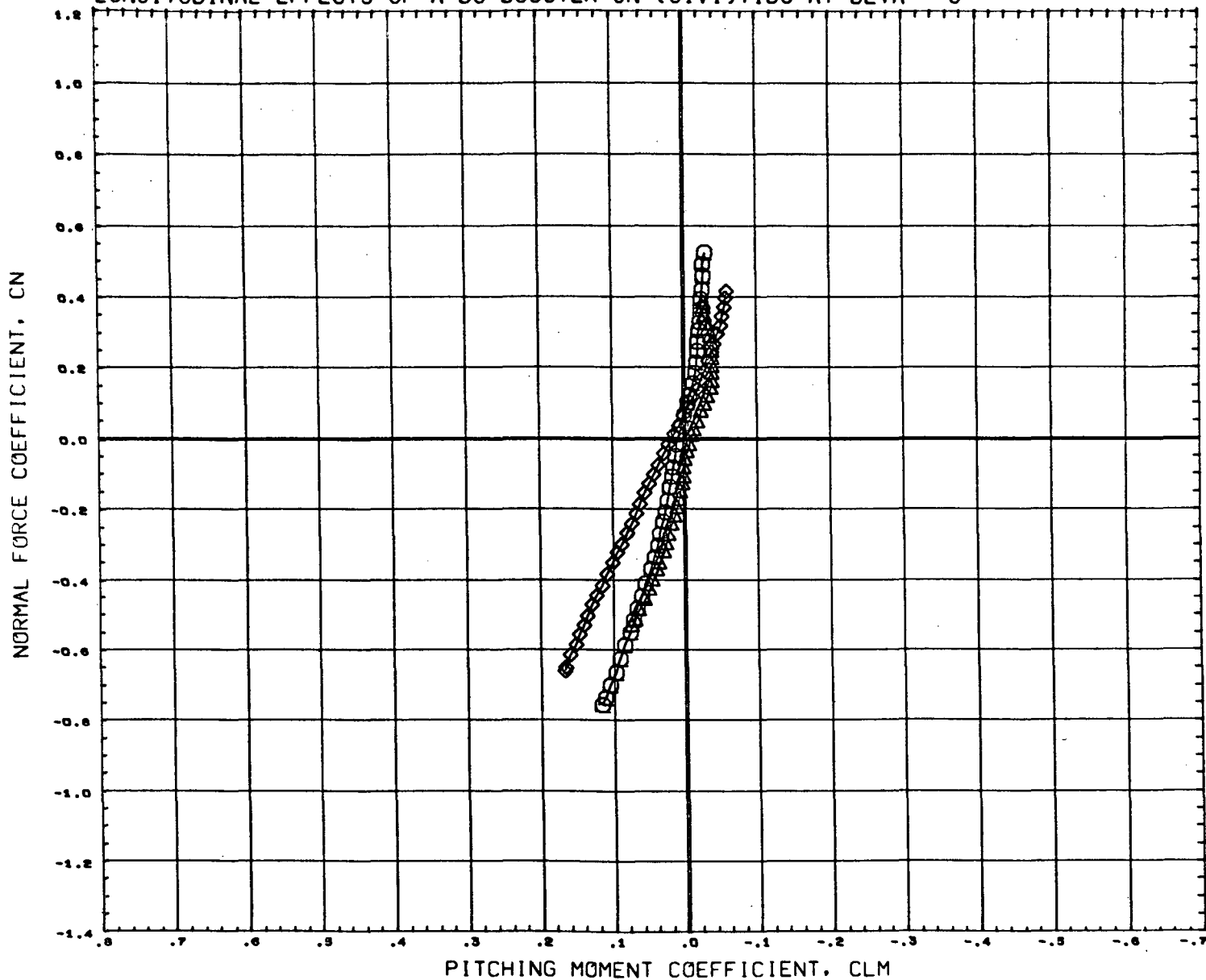


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7435)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7439)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5L (B5R)	6.000	0.000	0.000	0.000	LREF	609.9004 IN.
(CD7440)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1 (B5L)B5R	6.000	0.000	0.000	0.000	BREF	662.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 794

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 AT BETA = 6



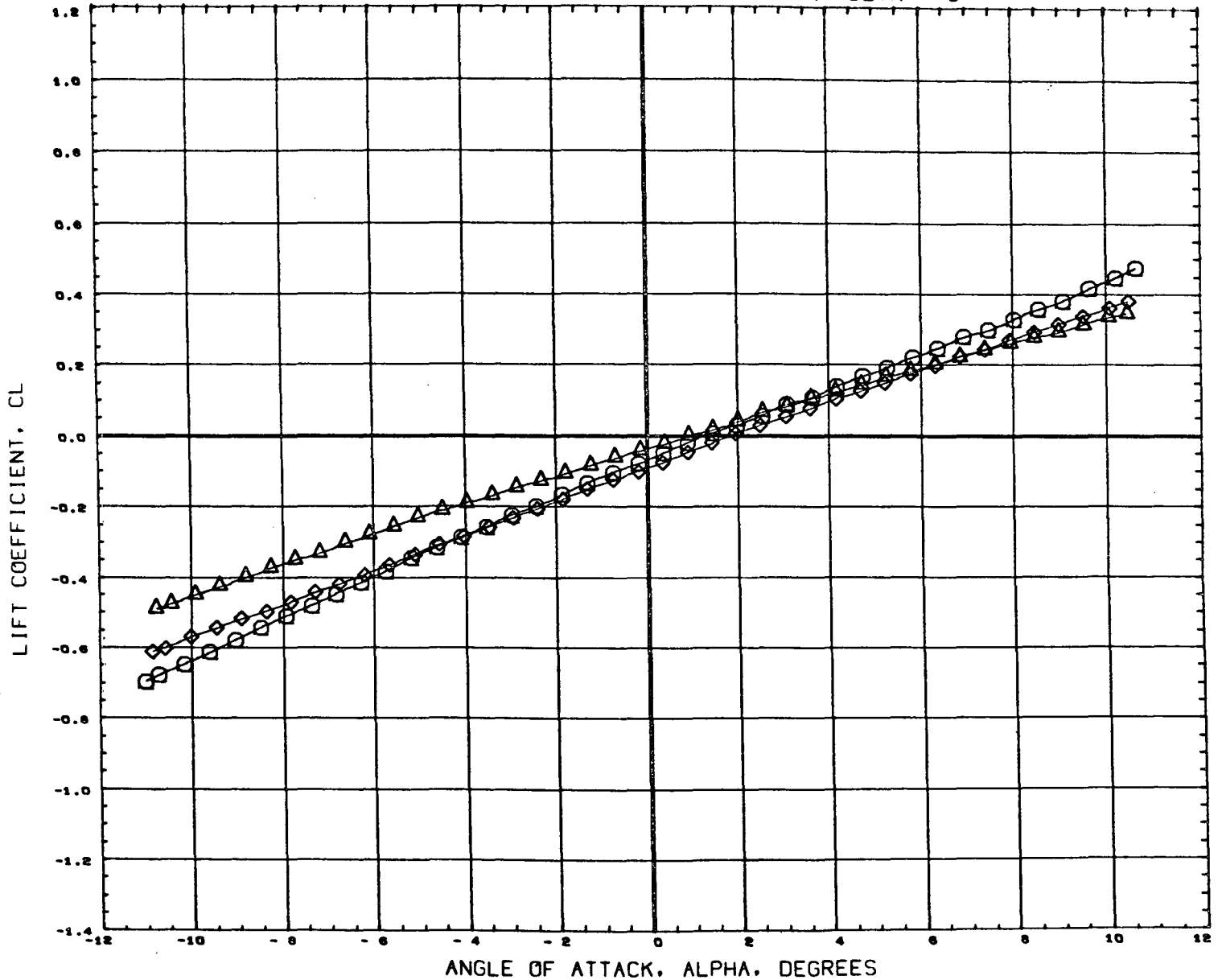
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7435)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7439)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5L(B5R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7440)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T1(B5L)B5R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH

2.20

PAGE 795

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 AT BETA = 6



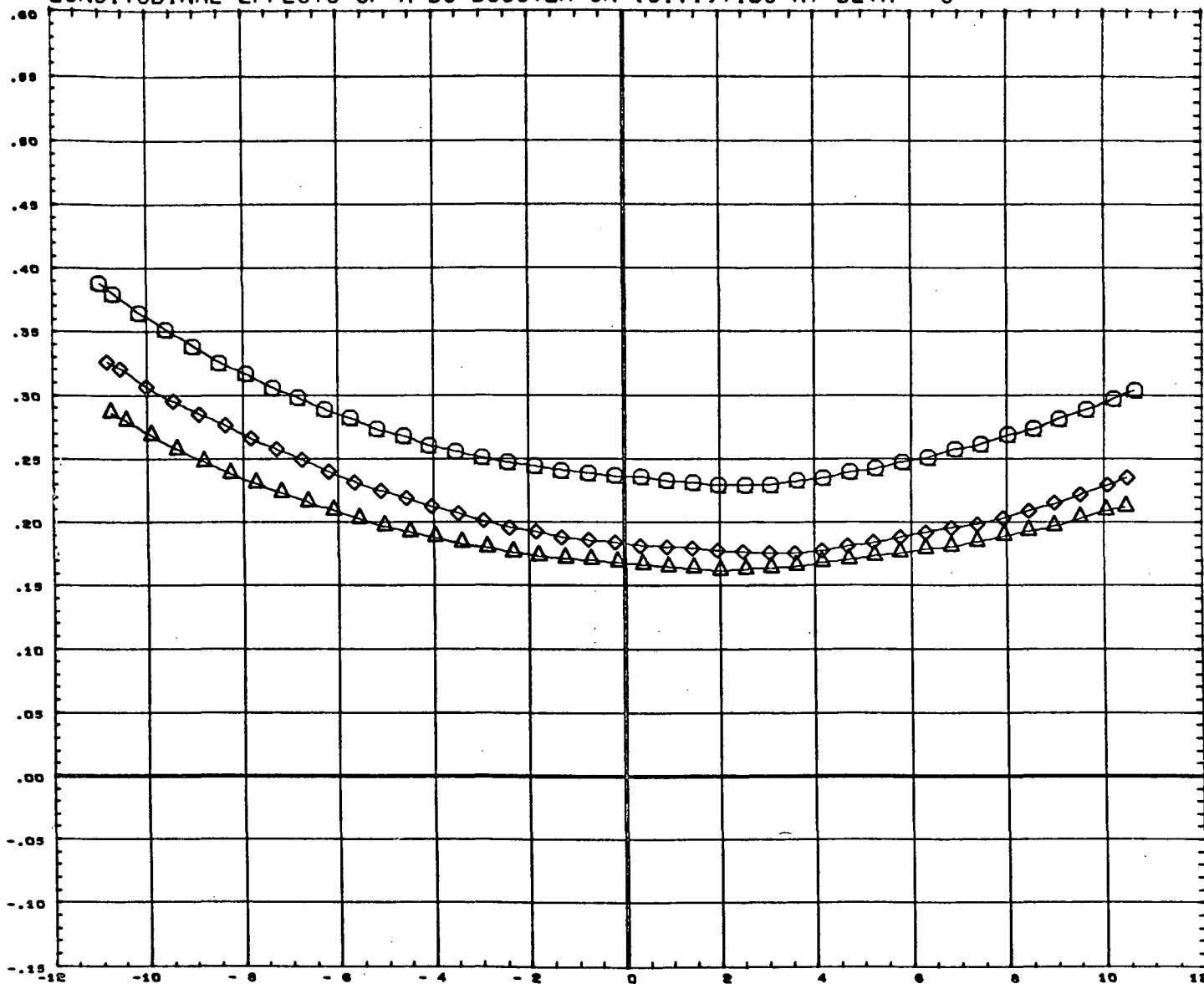
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7439)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7439)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5L (B5R)	6.000	0.000	0.000	0.000	LREF	609.3004 IN.
(CD7440)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T1 (B5L)B5R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	997.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 796

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 6

FOREBODY DRAG COEFFICIENT, CDF



ANGLE OF ATTACK, ALPHA, DEGREES

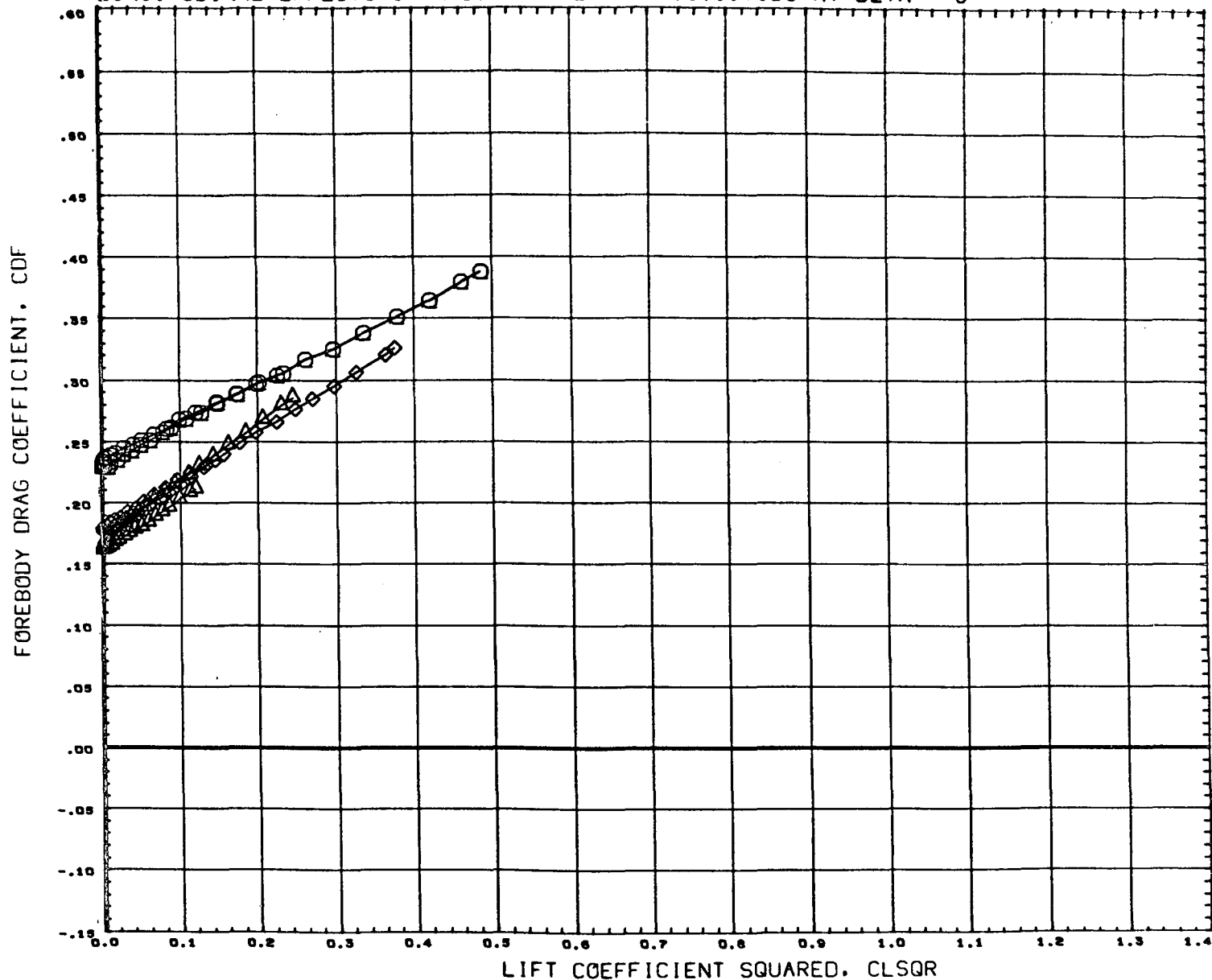
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7435)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7439)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5L (B5R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7440)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1 (B5L)B5R	6.000	0.000	0.000	0.000	BREF	662.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH

2.20

PAGE 797

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 6



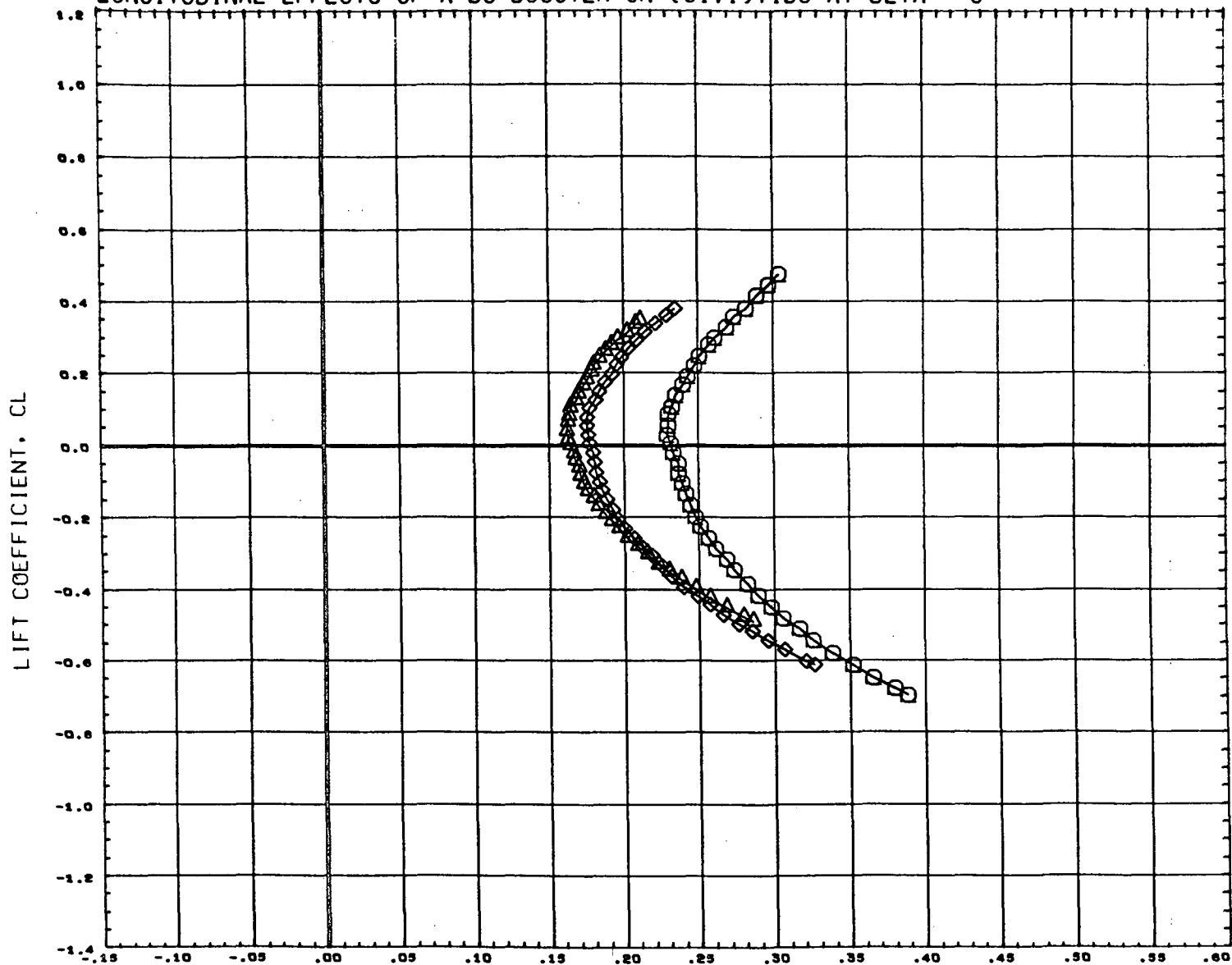
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07435)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07439)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5L (B5R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(C07440)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1 (B5L)B5R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 798



# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 6



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7435) ○ MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5  
 (CD7439) △ MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5L(B5R)  
 (CD7440) ◇ MDAC S-222 COMPOSITE (T-CG) (01V1)T1(B5L)B5R

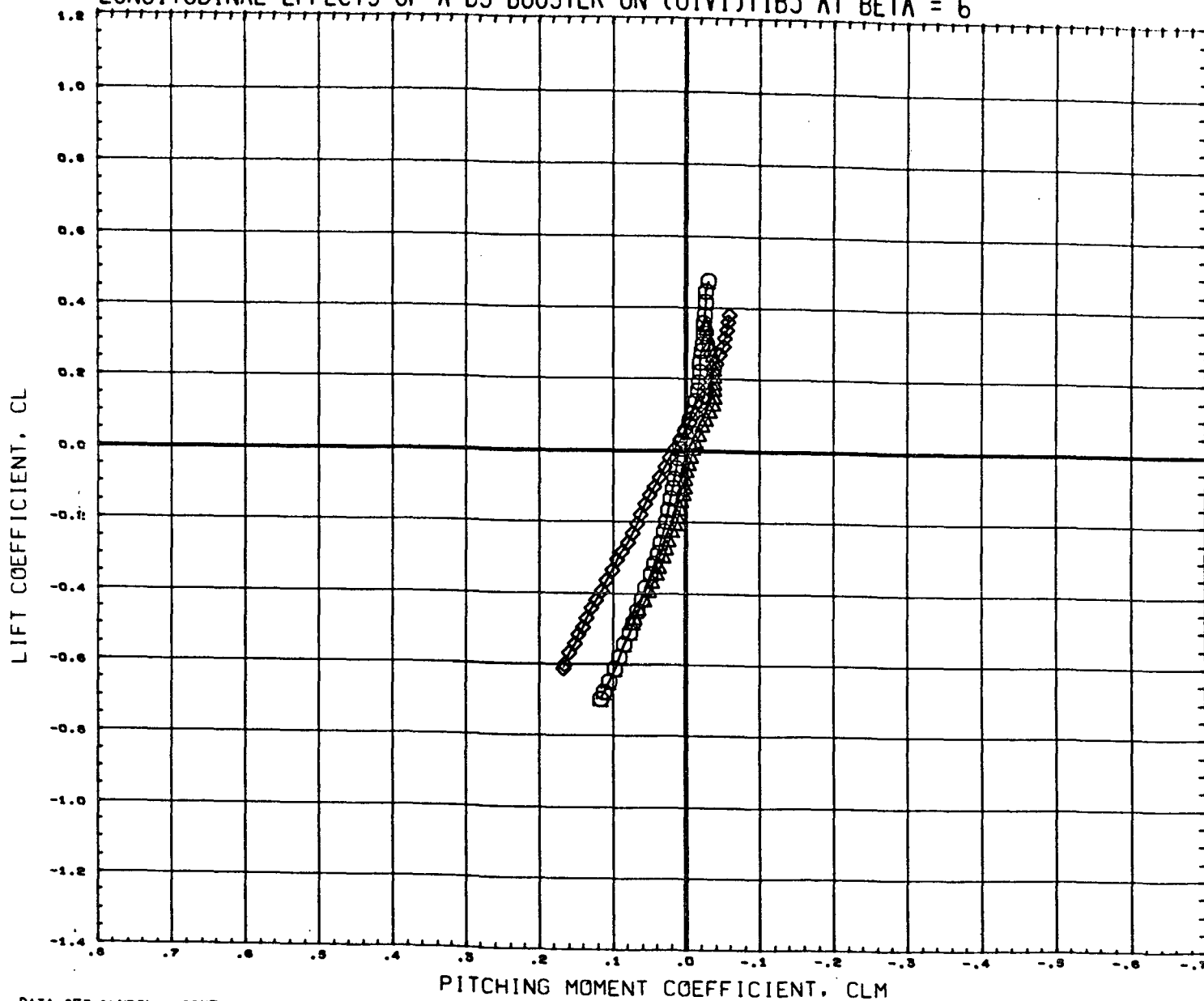
BETA ELEVTR AILRON RUDDER  
 6.000 0.000 0.000 0.000  
 6.000 0.000 0.000 0.000  
 6.000 0.000 0.000 0.000

REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 662.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH 2.20

PAGE 799

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 AT BETA = 6

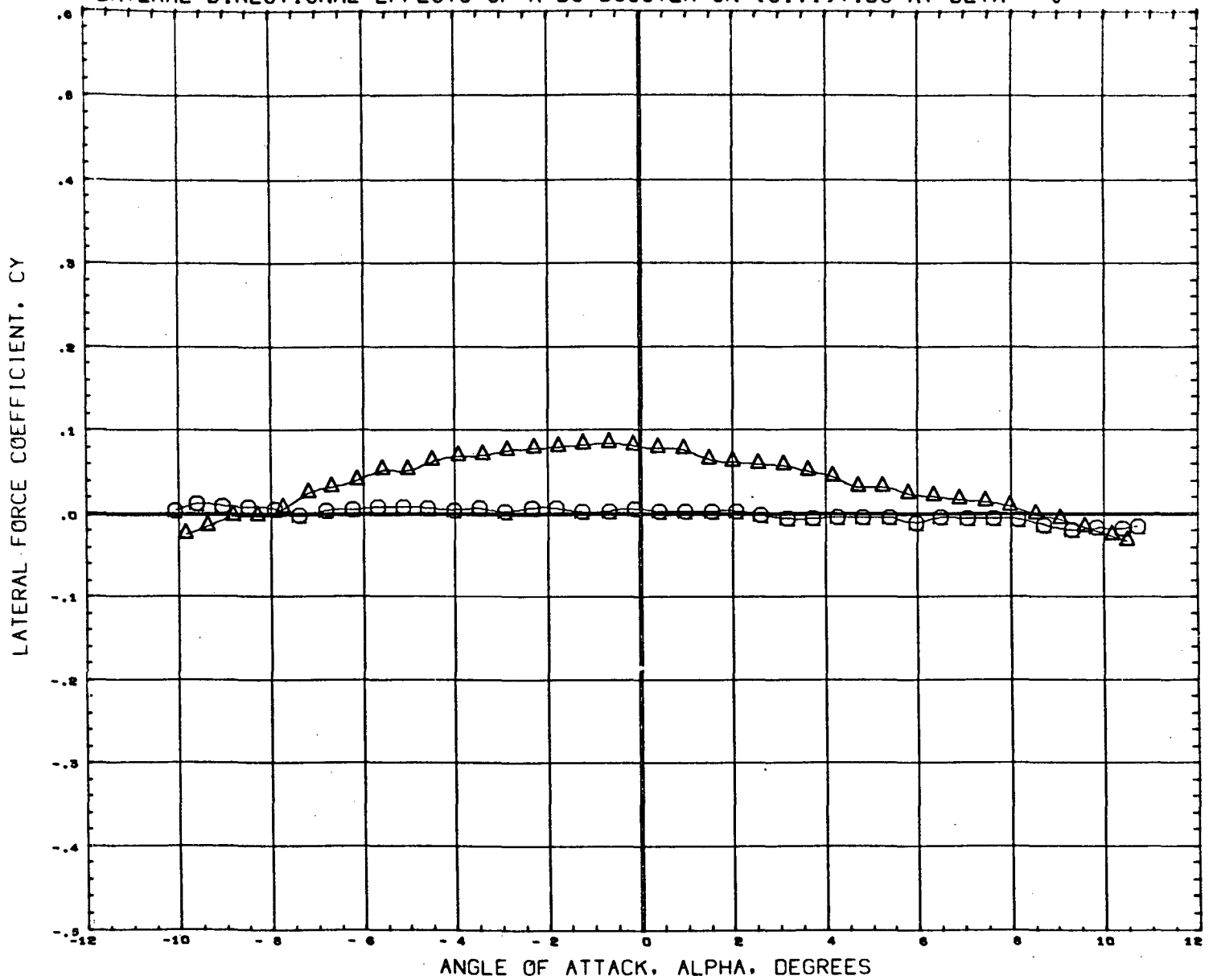


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7435)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7439)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5L (B5R)	6.000	0.000	0.000	0.000	LREF	609.9004 IN.
(CD7440)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T1 (B5L)B5R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 800

# LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0



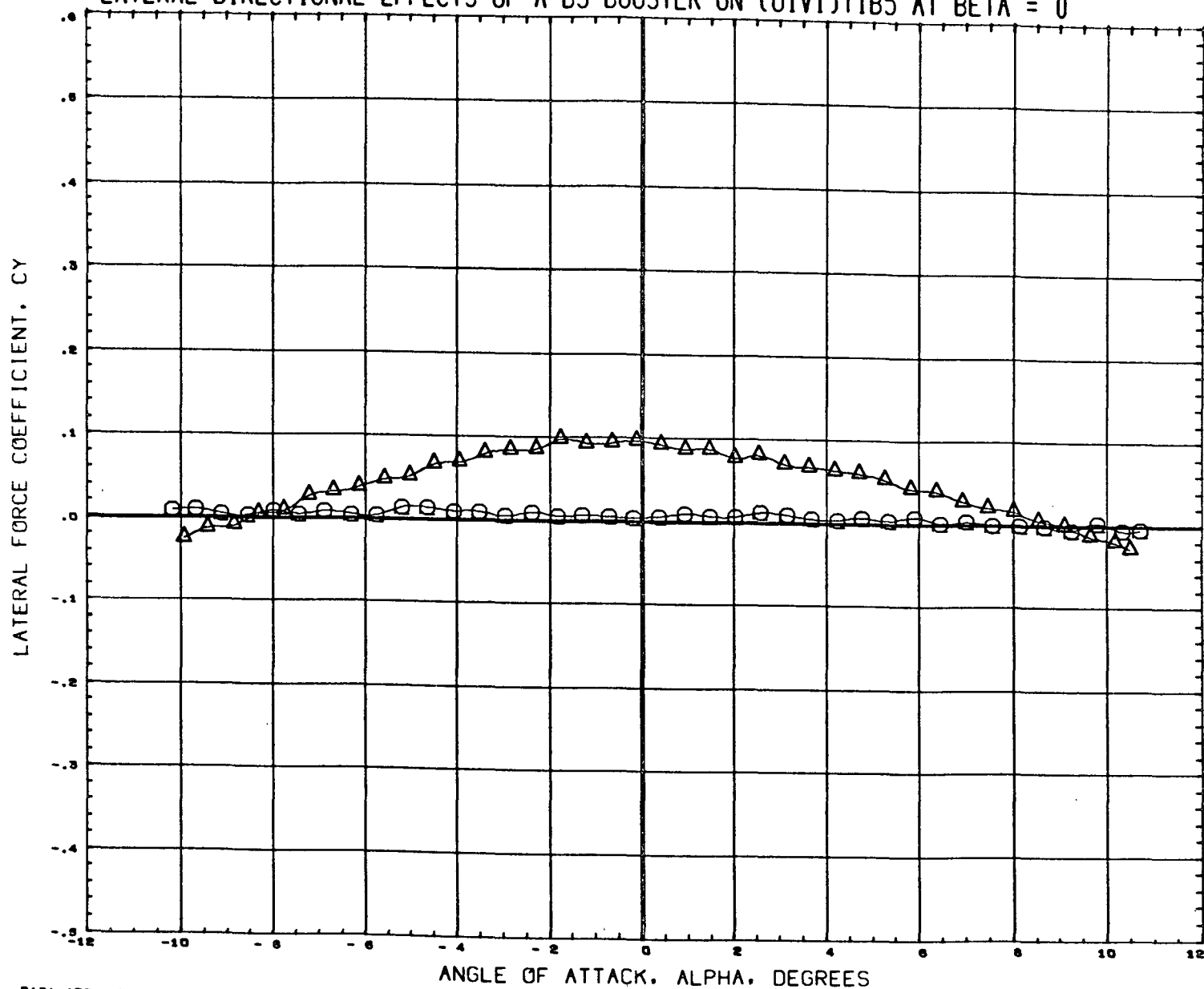
DATA SET SYMBOL      CONFIGURATION DESCRIPTION  
(RD7433)      ○      MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5  
(RD7437)      △      MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5L (B5R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	662.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .90

PAGE 801

# LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0

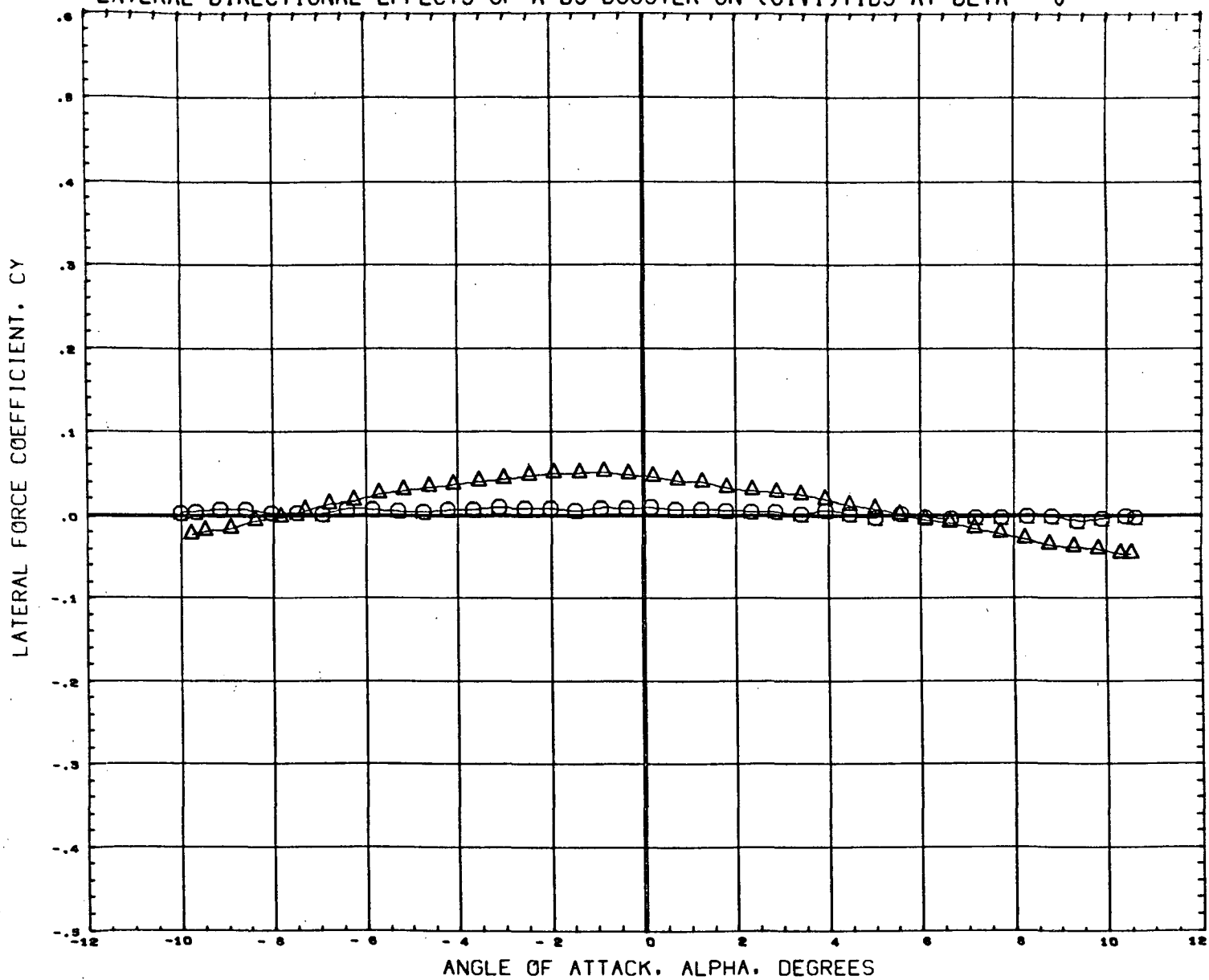


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7433)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7437)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

PAGE 802

# LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0

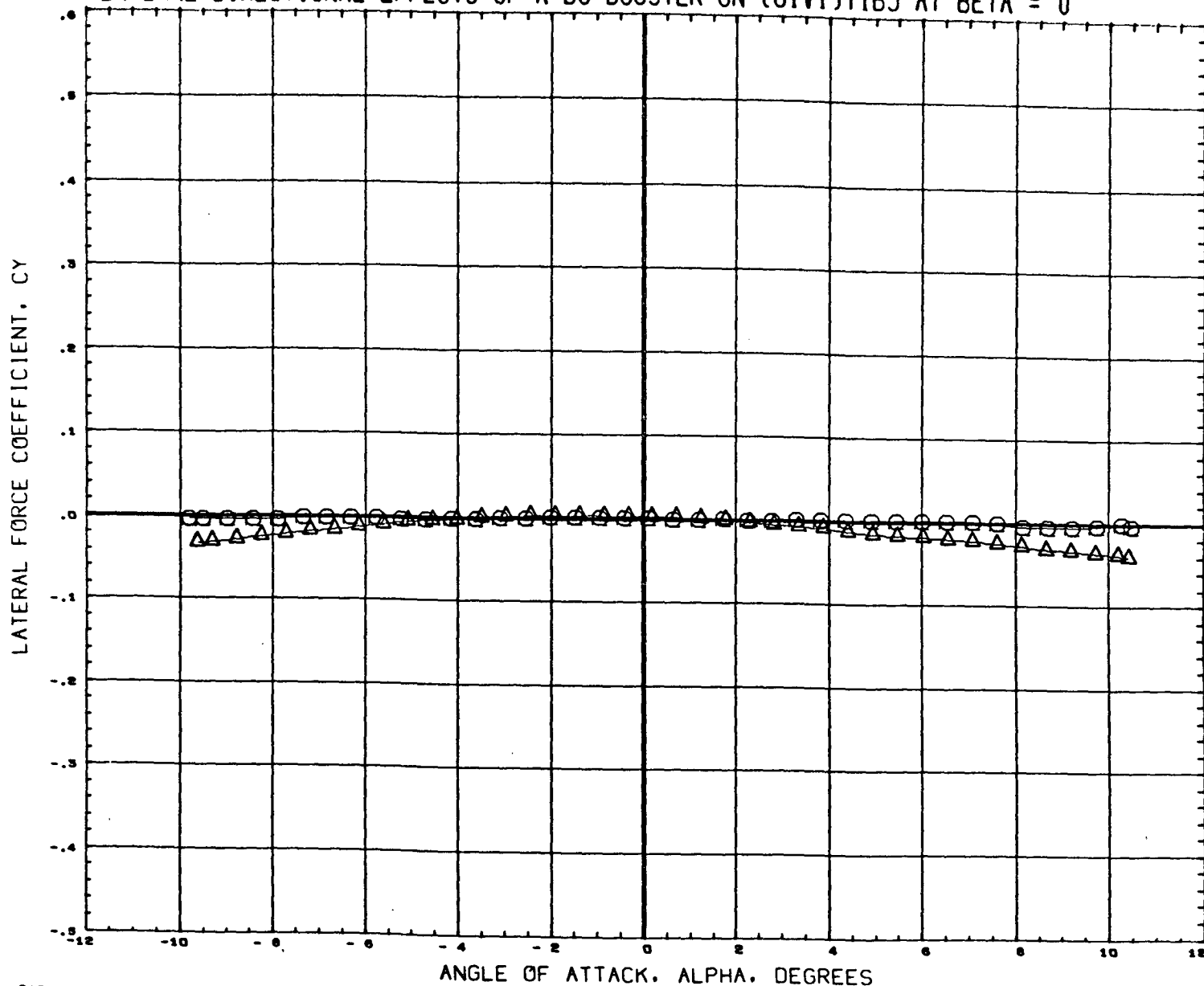


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7433)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7437)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.9004 IN.
						BREF	662.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 803

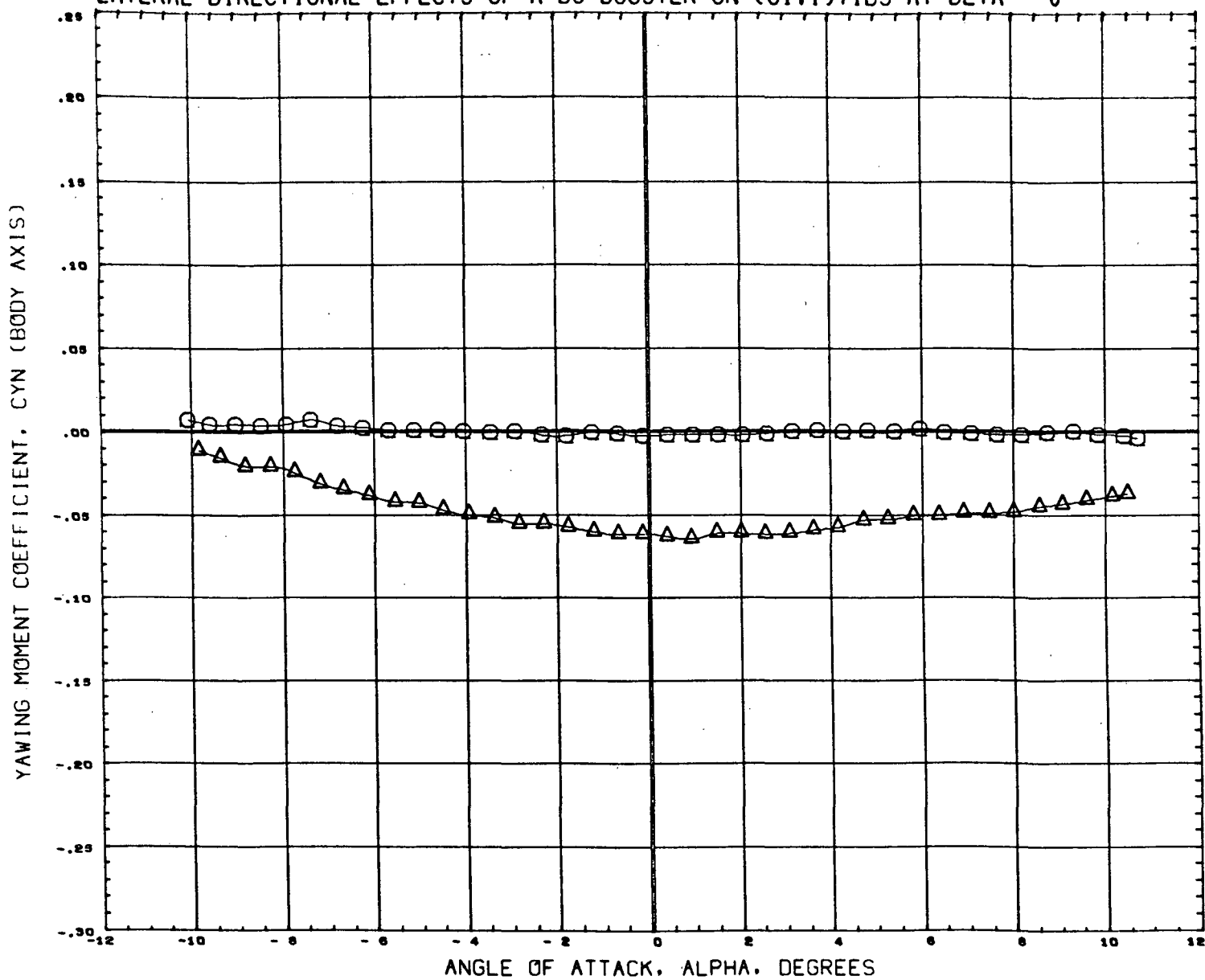
# LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7433)	NDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7437)	NDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

# LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0

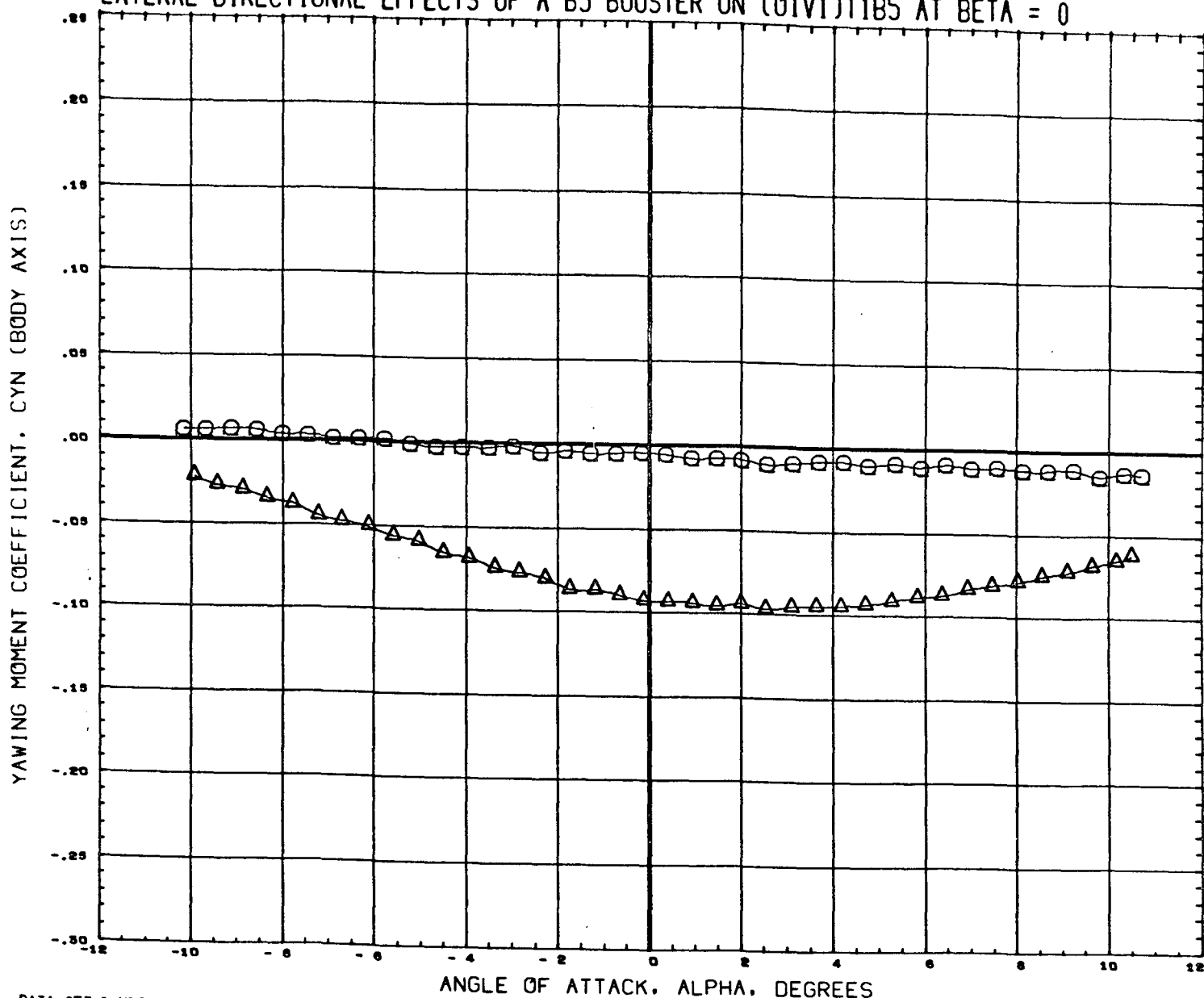


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7433)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7437)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	809.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 805

# LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0

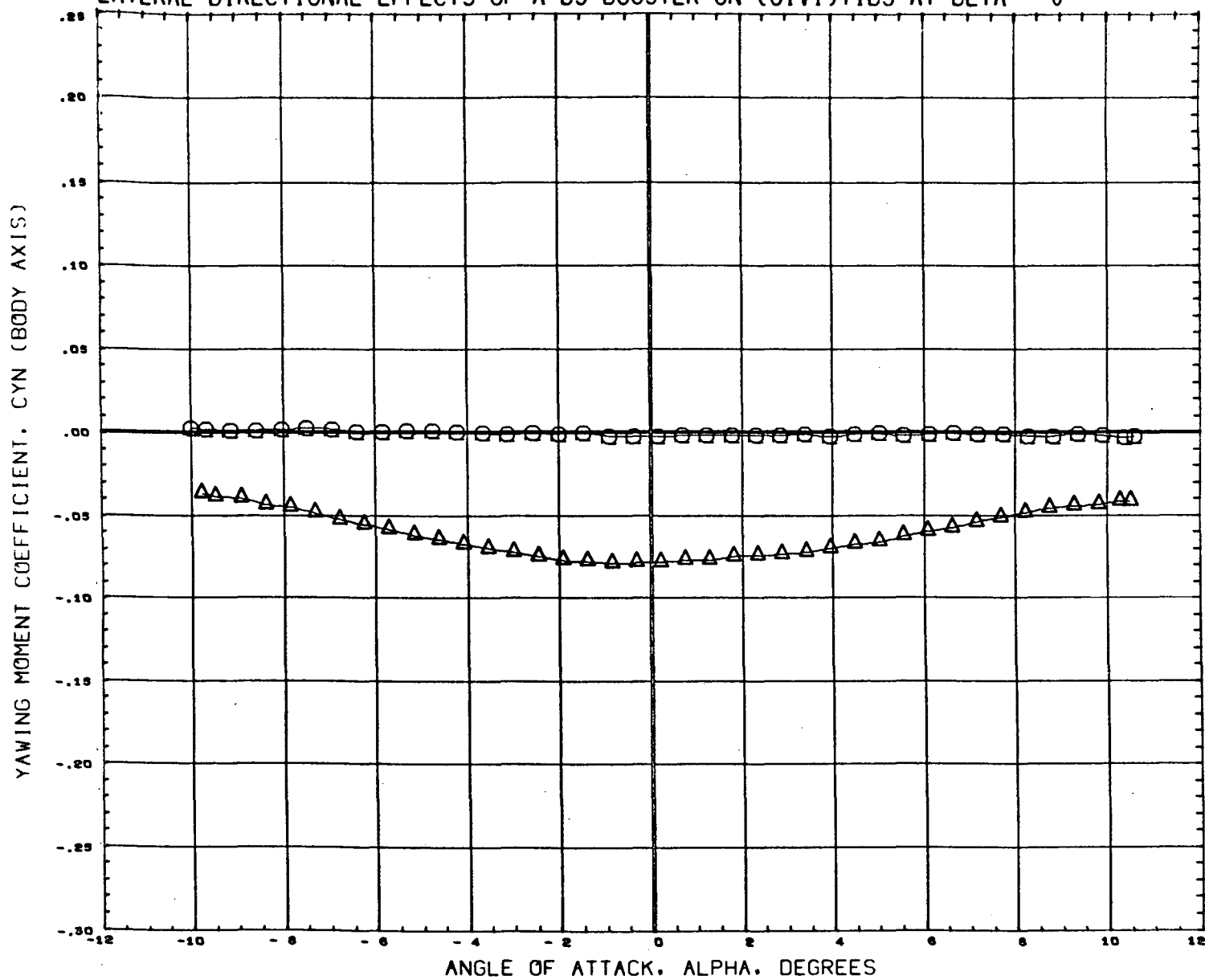


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7433)	MDAC S-222 COMPOSITE(T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7437)	MDAC S-222 COMPOSITE(T-CG) (01V1)T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH 1.10



# LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RD7433) (RD7437) MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5 (01V1)T1B5L (B5R)

BETA ELEVTR AILRON RUDDER  
0.000 0.000 0.000 0.000  
0.000 0.000 0.000 0.000

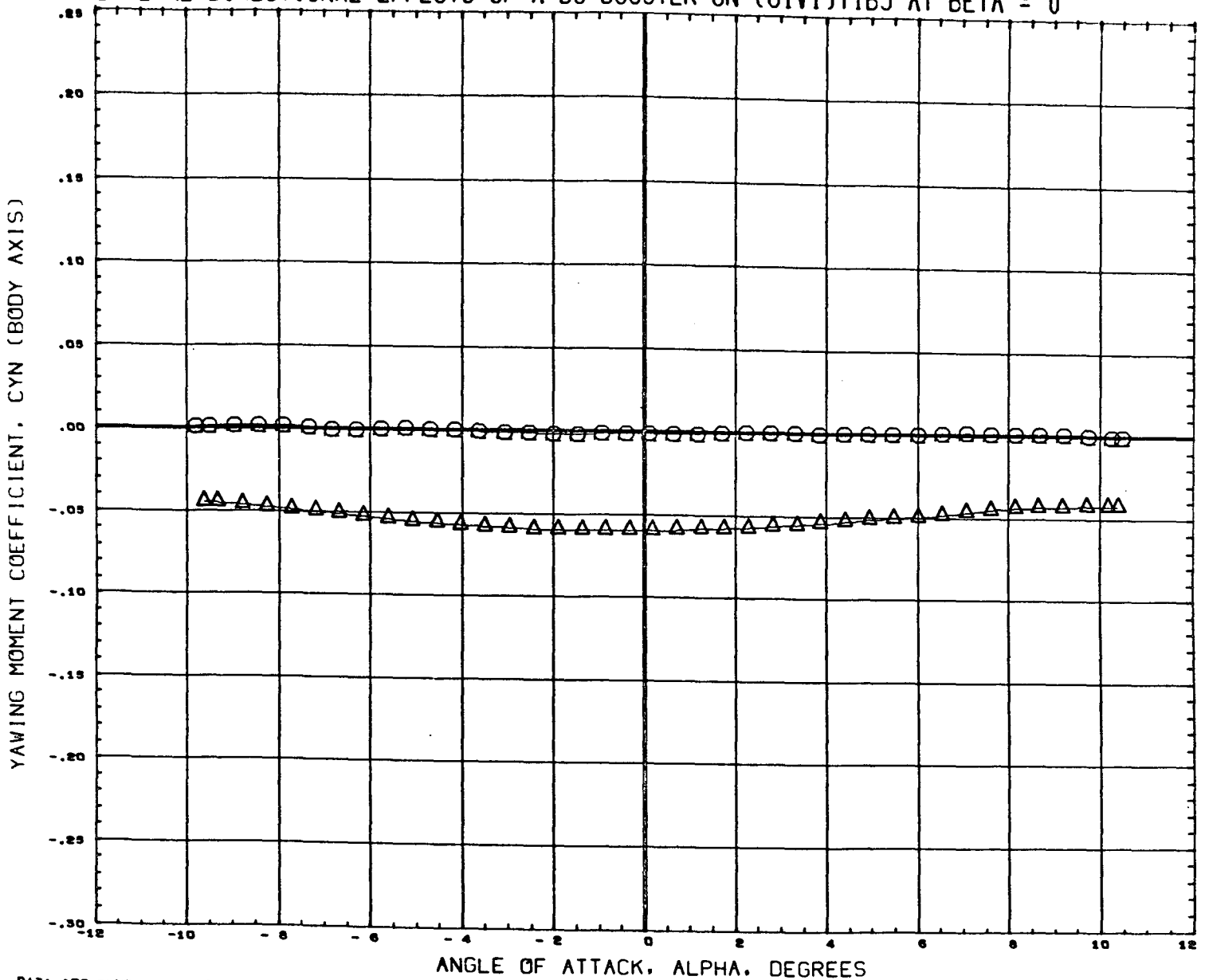
REFERENCE INFORMATION  
SREF 3155.3040 SQ.FT.  
LREF 609.5004 IN.  
BREF 862.0004 IN.  
XMRP 537.0004 IN.  
YMRP 0.0000 IN.  
ZMRP 200.0004 IN.  
SCALE 0.0060

MACH

2.20

PAGE 807

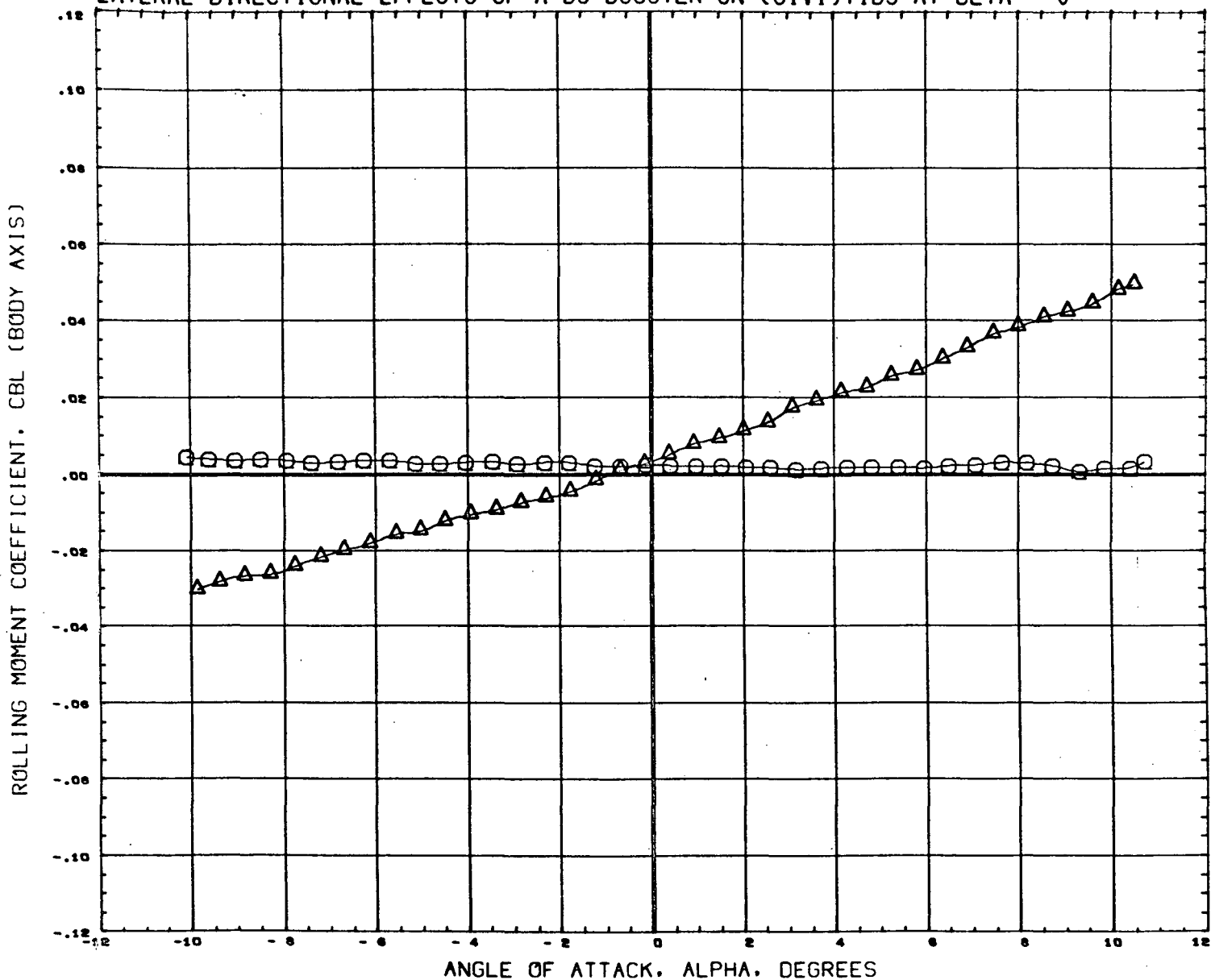
# LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7433)	MDAC S-222 COMPOSITE (T-CG) (01V1) T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7437)	MDAC S-222 COMPOSITE (T-CG) (01V1) T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	662.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

# LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0



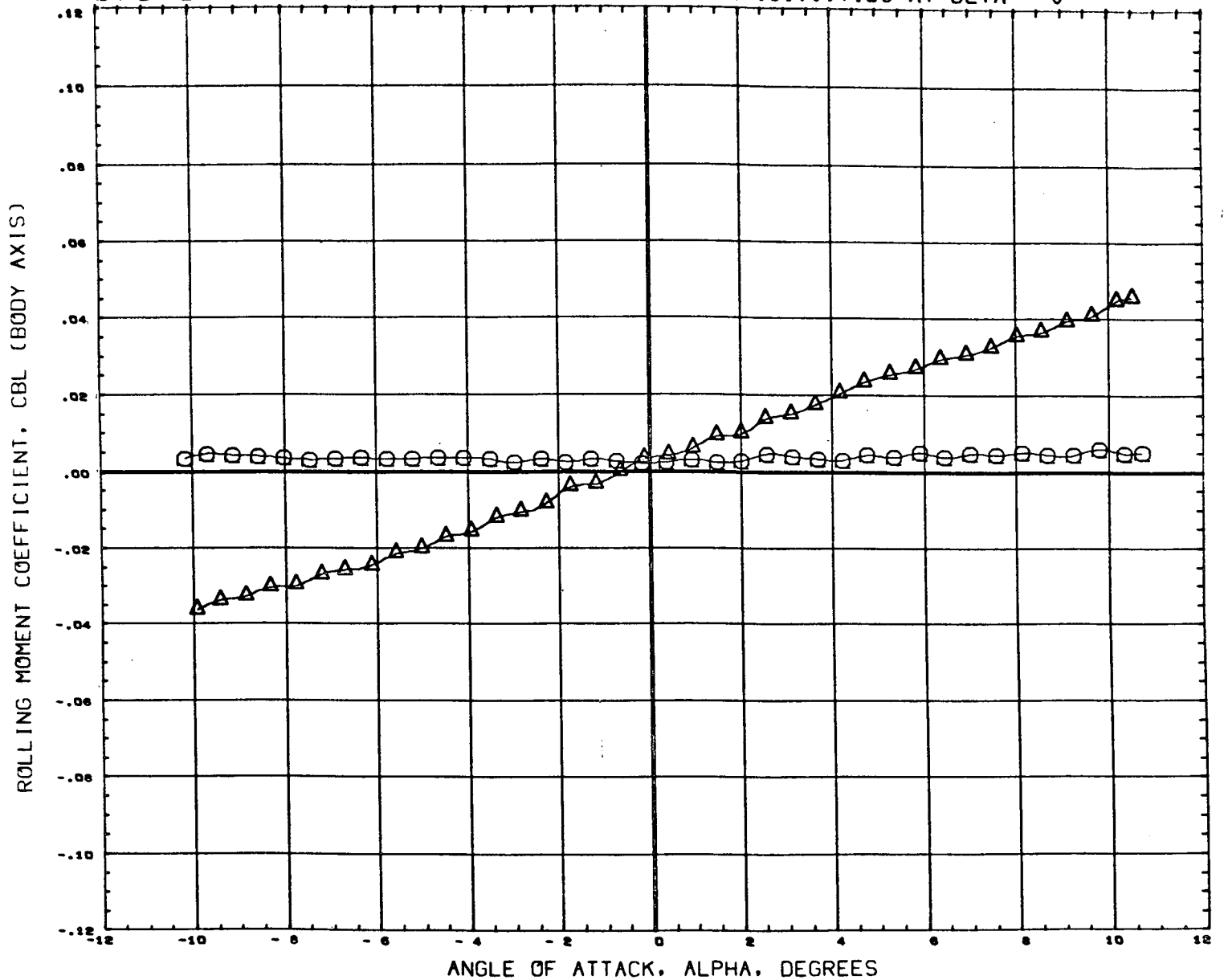
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
(RD7433)    ○    MDAC S-222 COMPOSITE(T-CG) (01V1)T1B5  
(RD7437)    △    MDAC S-222 COMPOSITE(T-CG) (01V1)T1B5L(B5R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRF	557.0004 IN.
				YMRF	0.0000 IN.
				ZMRF	200.0004 IN.
				SCALE	0.0060

MACH .90

PAGE 809

# LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0

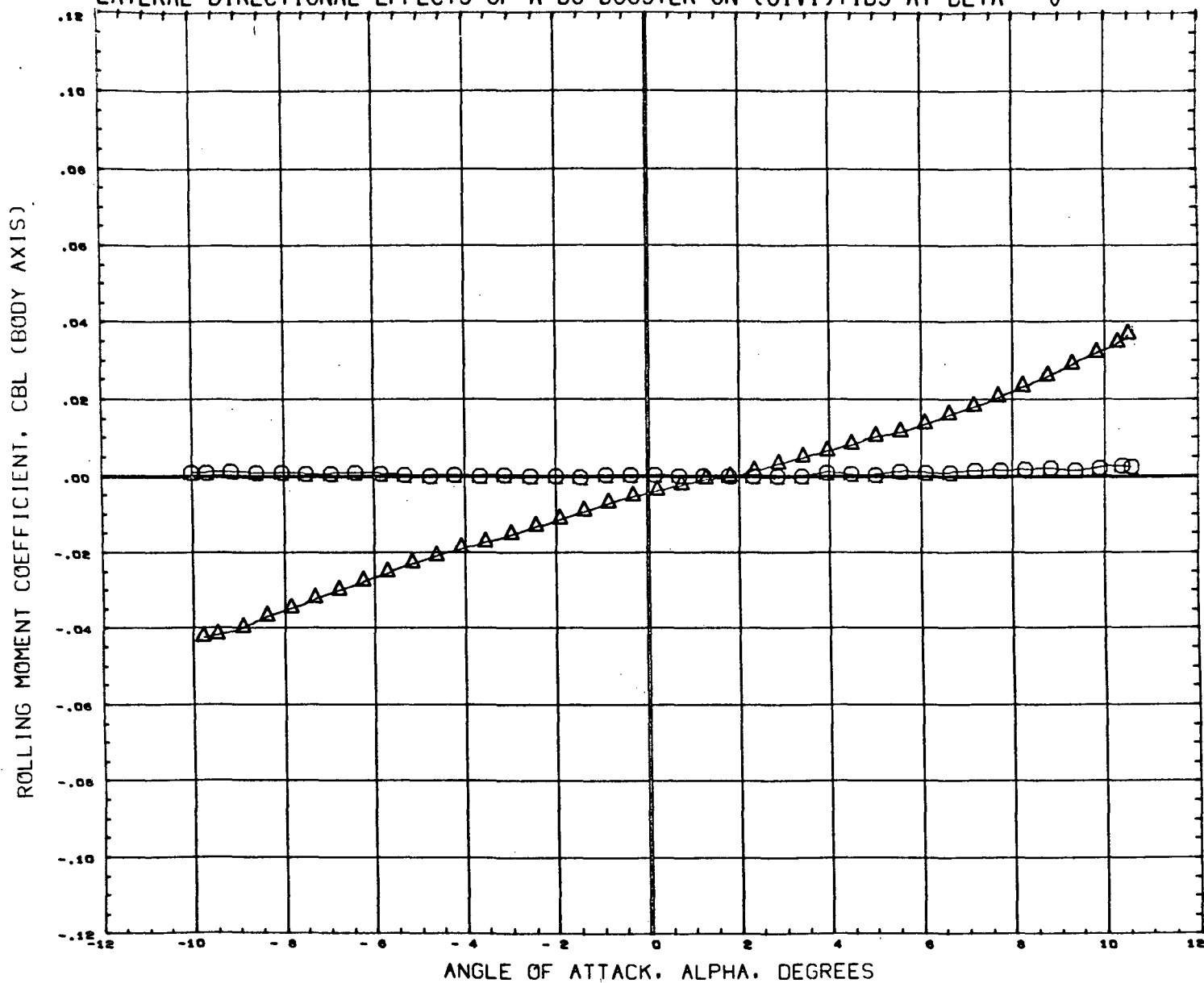


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RDY433)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RDY437)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.3004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

PAGE 810

# LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0

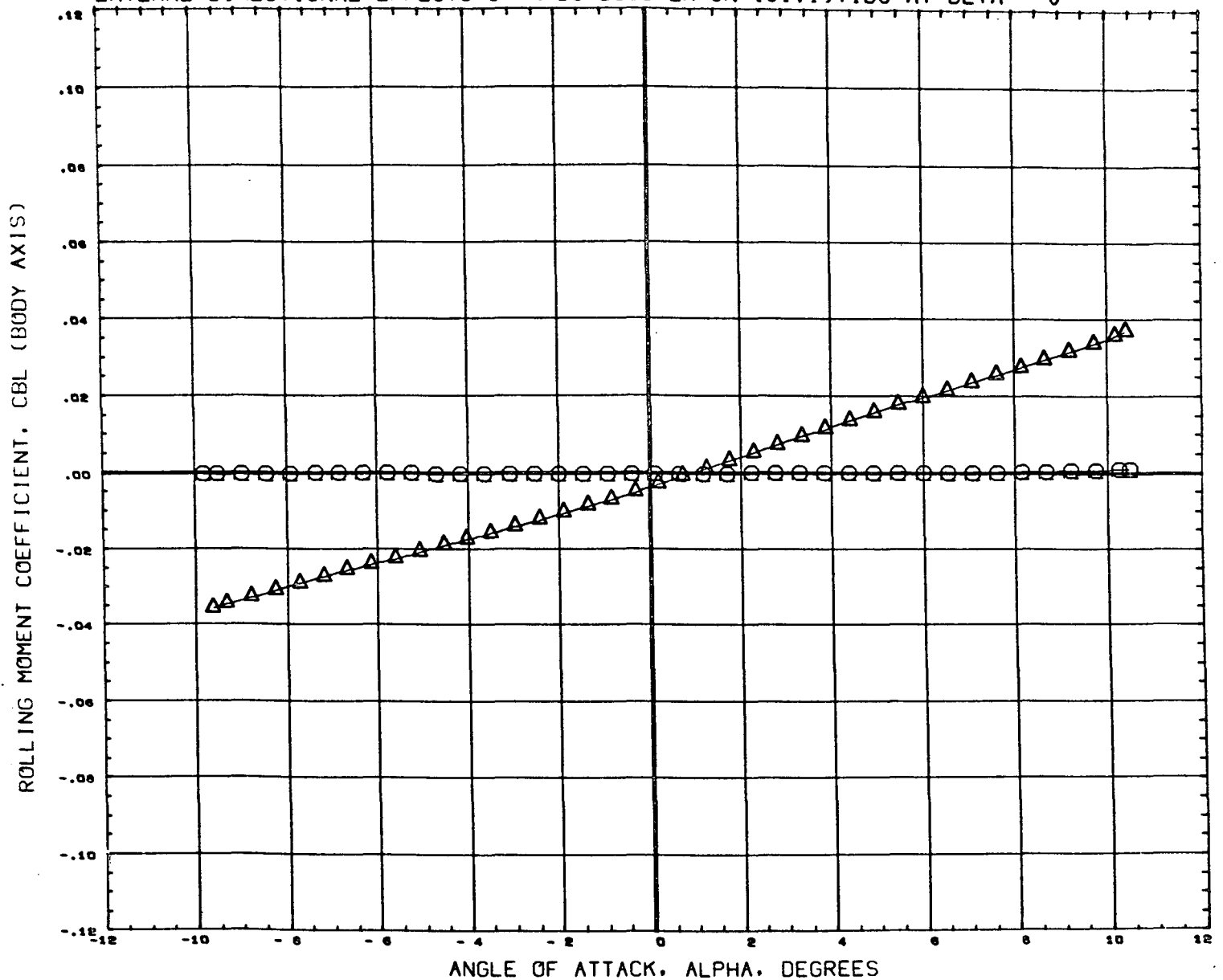


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7433)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7437)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 811

# LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 0

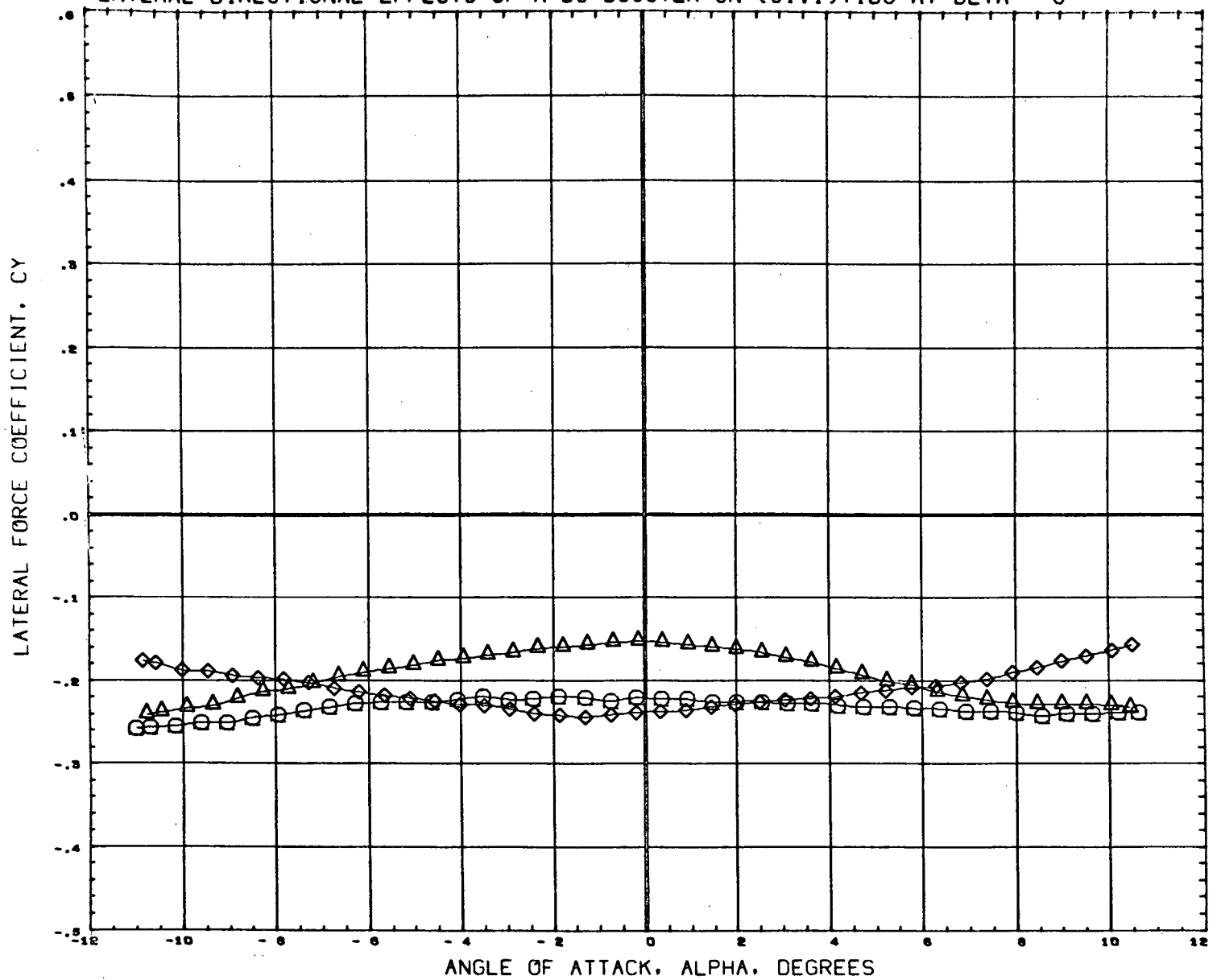


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7433)	MDAC S-222 COMPOSITE (T-C6) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7437)	MDAC S-222 COMPOSITE (T-C6) (01V1)T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRRP	557.0004 IN.
						YMRRP	0.0000 IN.
						ZMRRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 812

# LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 6

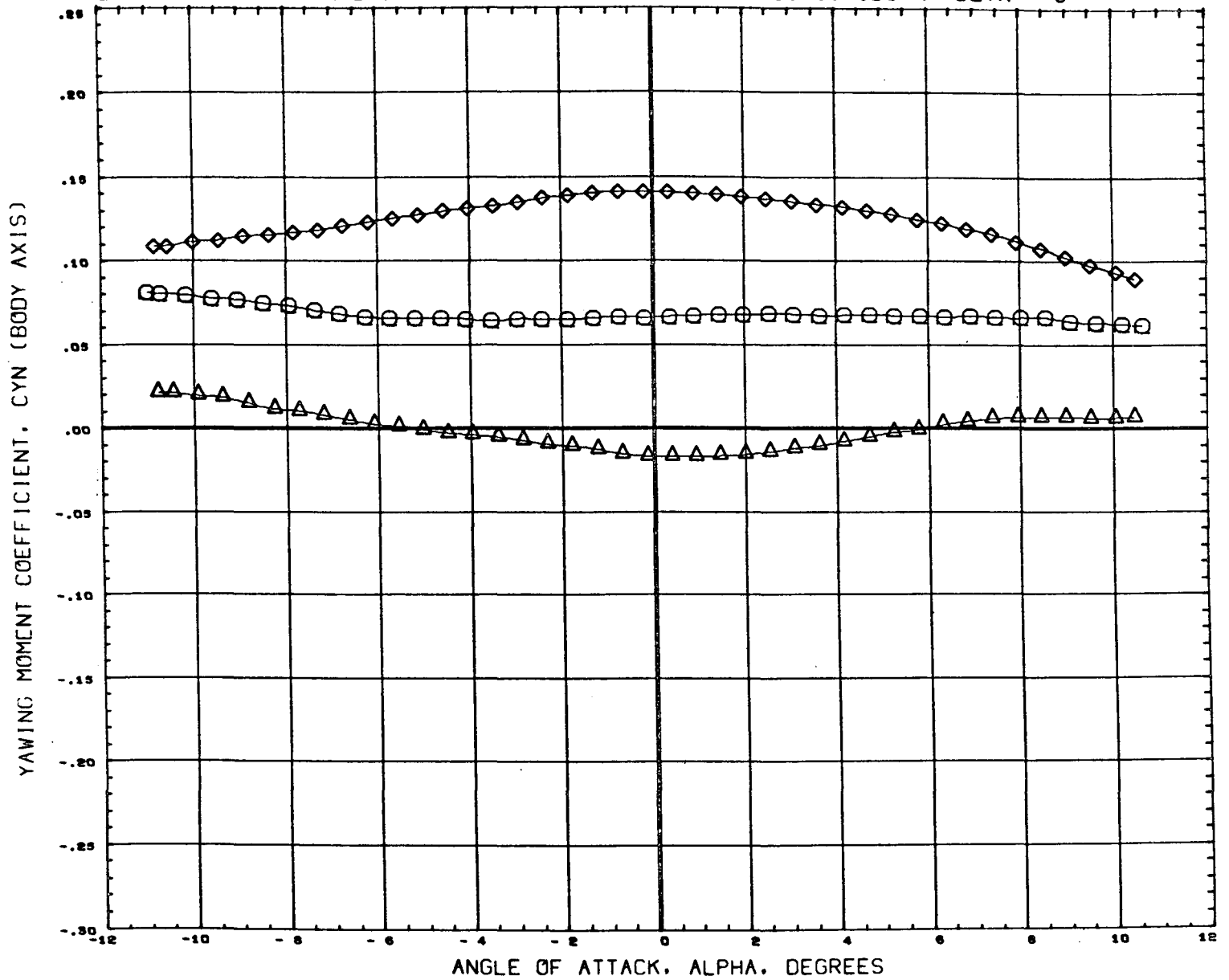


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(RD7435)	MDAC S-222 COMPOSITE(T-CG) (01V1)T1B5	6.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(RD7439)	MDAC S-222 COMPOSITE(T-CG) (01V1)T1B5L(B5R)	6.000	0.000	0.000	0.000	LREF	609.5004	IN.
(RD7440)	MDAC S-222 COMPOSITE(T-CG) (01V1)T1(B5L)B5R	6.000	0.000	0.000	0.000	BREF	682.0004	IN.
						XMRP	937.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH 2.20

PAGE 813

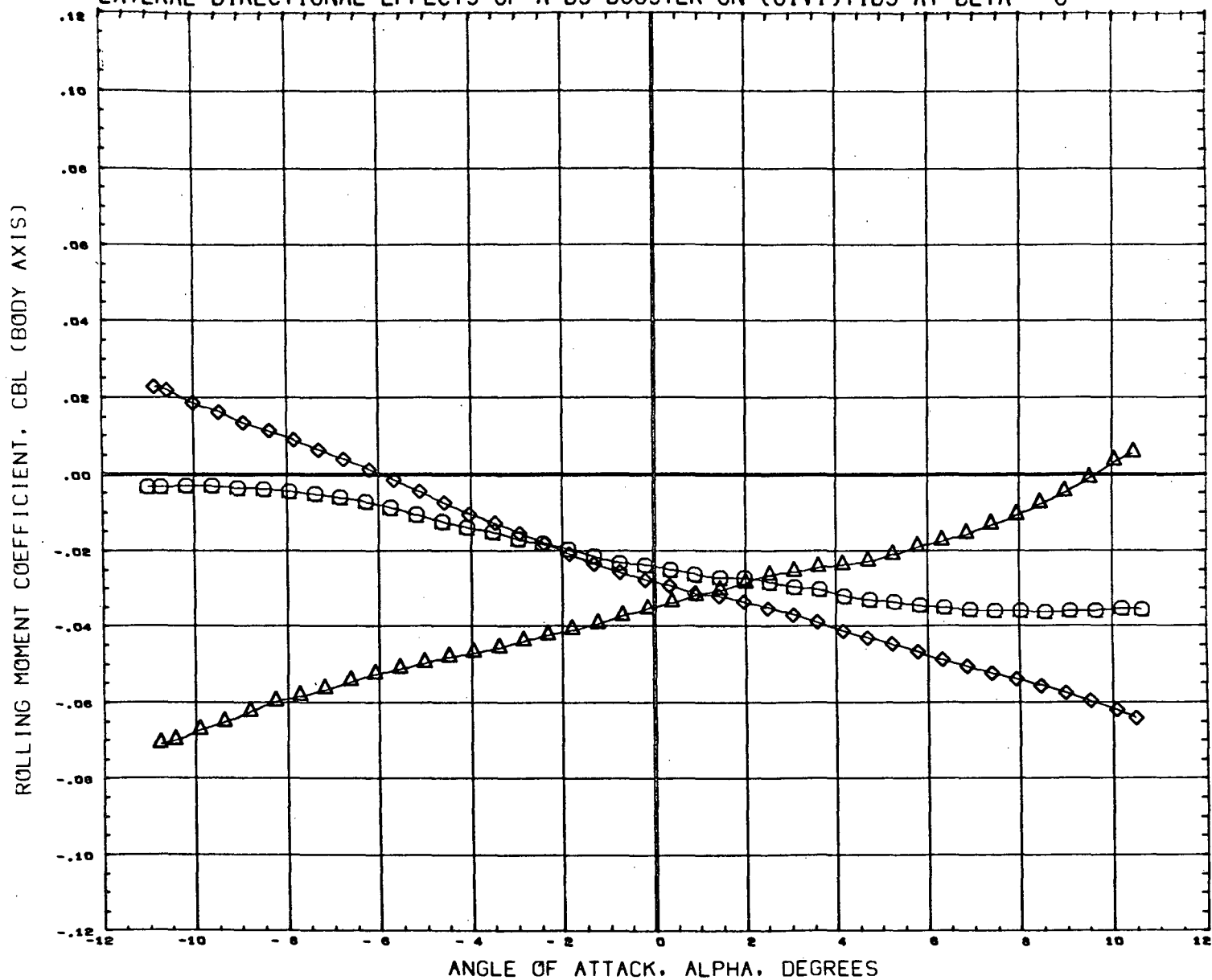
# LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7435)	MDAC S-222 COMPOSITE (T-CG) (01V1) T1B5	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7439)	MDAC S-222 COMPOSITE (T-CG) (01V1) T1B5L (B5R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7440)	MDAC S-222 COMPOSITE (T-CG) (01V1) T1 (B5L) B5R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060



# LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 AT BETA = 6

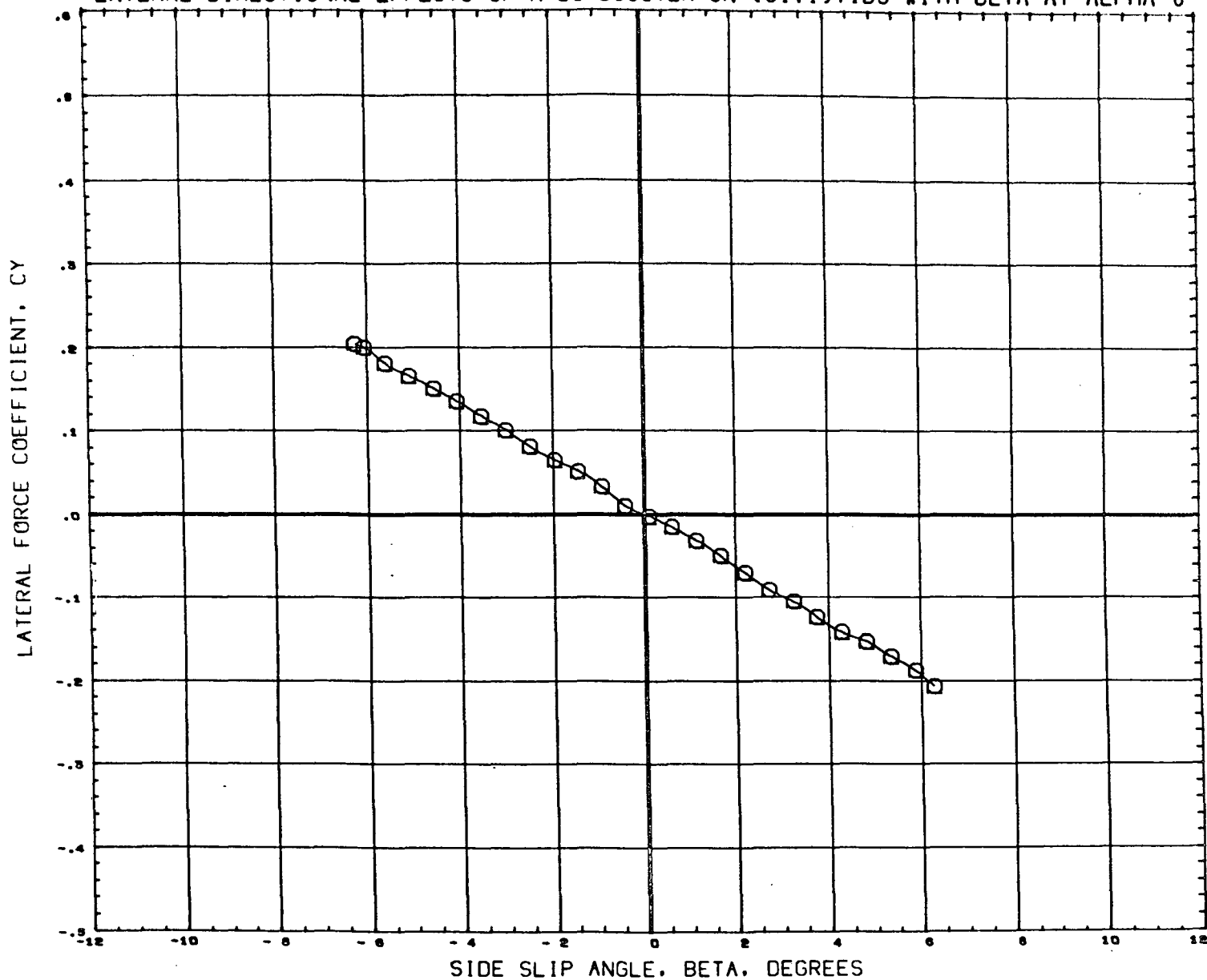


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(R07435)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5	6.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(R07439)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5L(B5R)	6.000	0.000	0.000	0.000	LREF	609.5004	IN.
(R07440)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1(B5L)B5R	6.000	0.000	0.000	0.000	BREF	882.0004	IN.
						XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH 2.20

PAGE 815

# LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 WITH BETA AT ALPHA=0



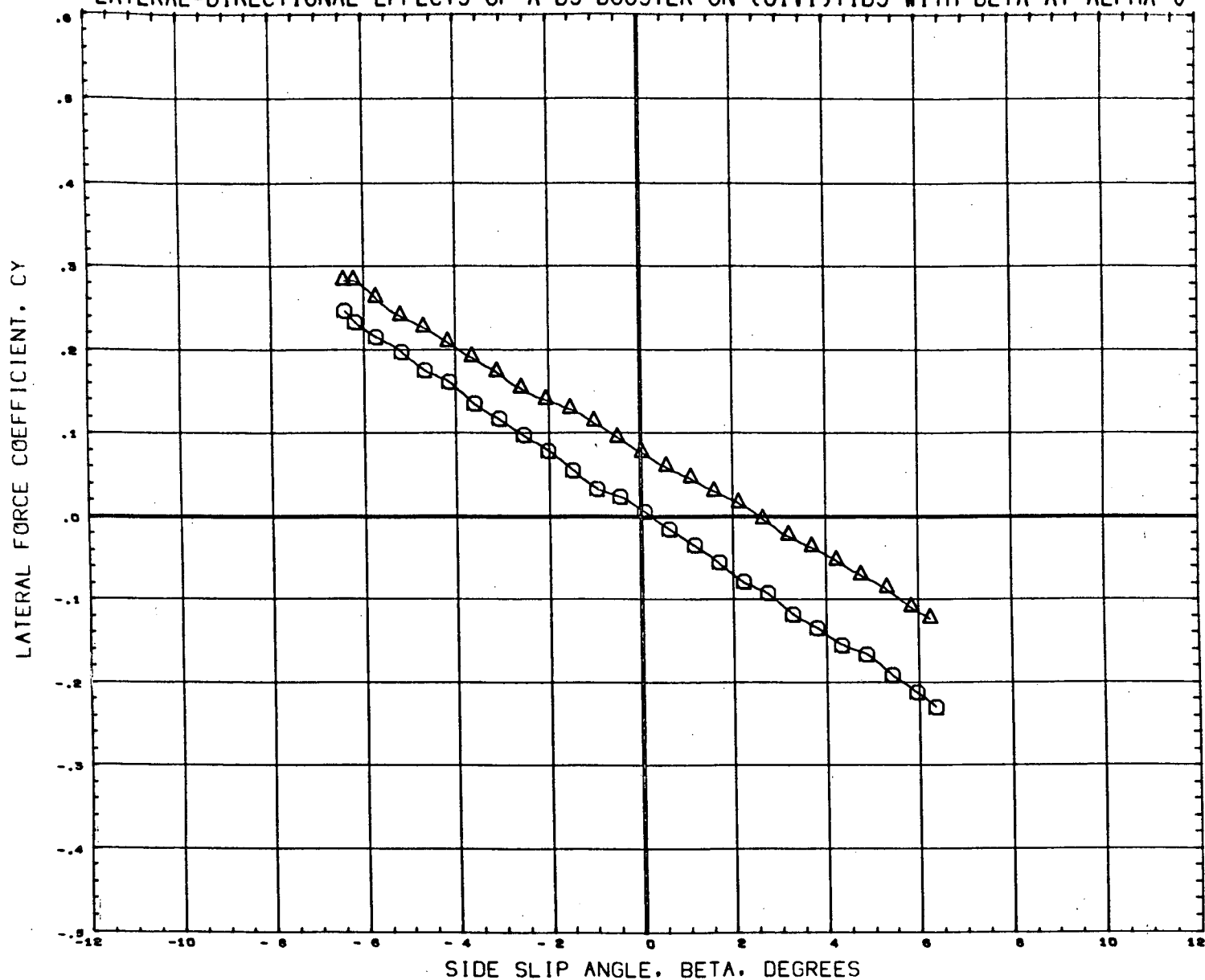
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RD7434) MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5  
(RD7436) DATA NOT AVAILABLE FOR ALL CONDITIONS

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	862.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .59

PAGE 816

# LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 WITH BETA AT ALPHA=0

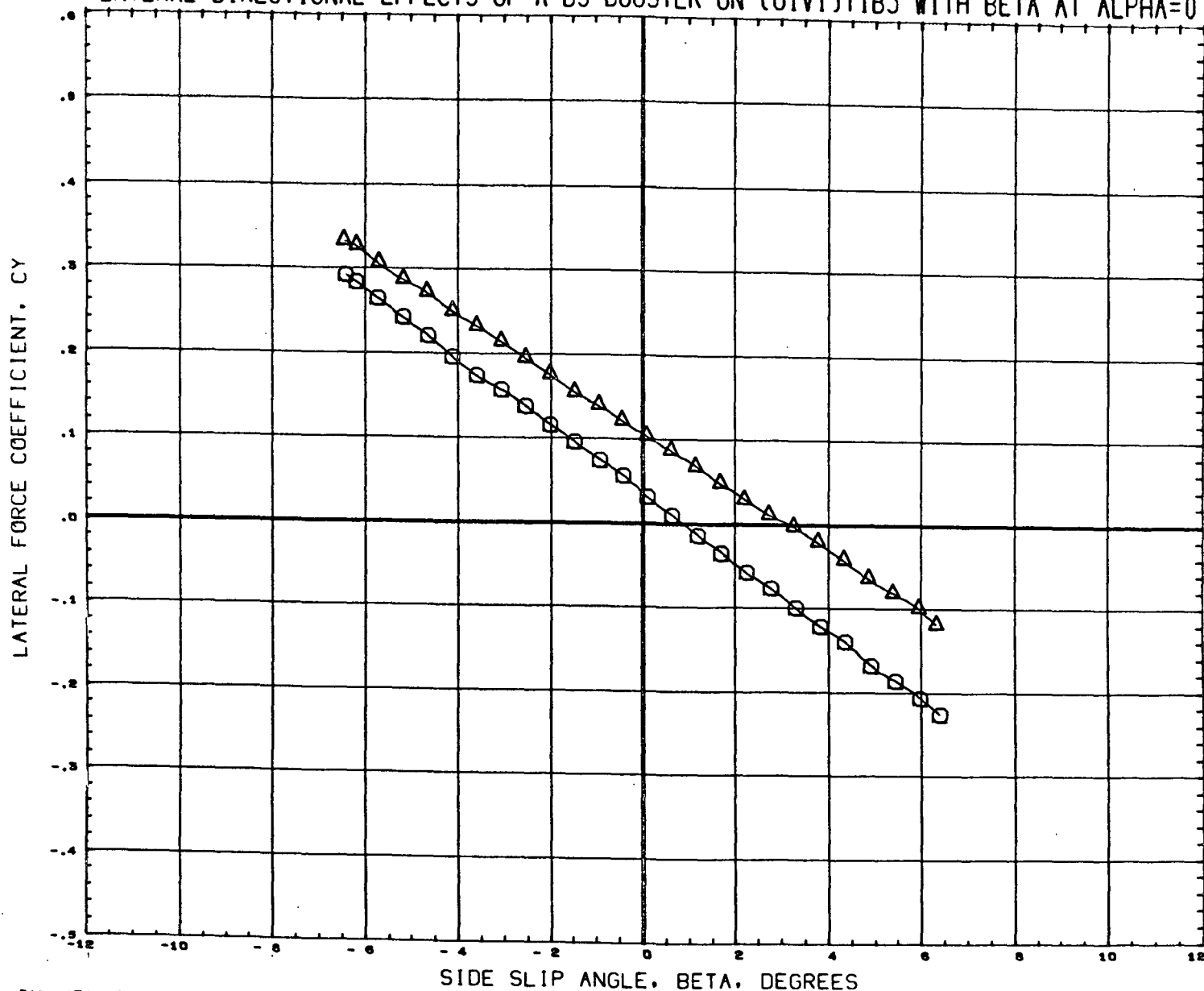


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7434)	MDAC S-222 COMPOSITE (T-CG) (01V1) T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7435)	MDAC S-222 COMPOSITE (T-CG) (01V1) T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 817

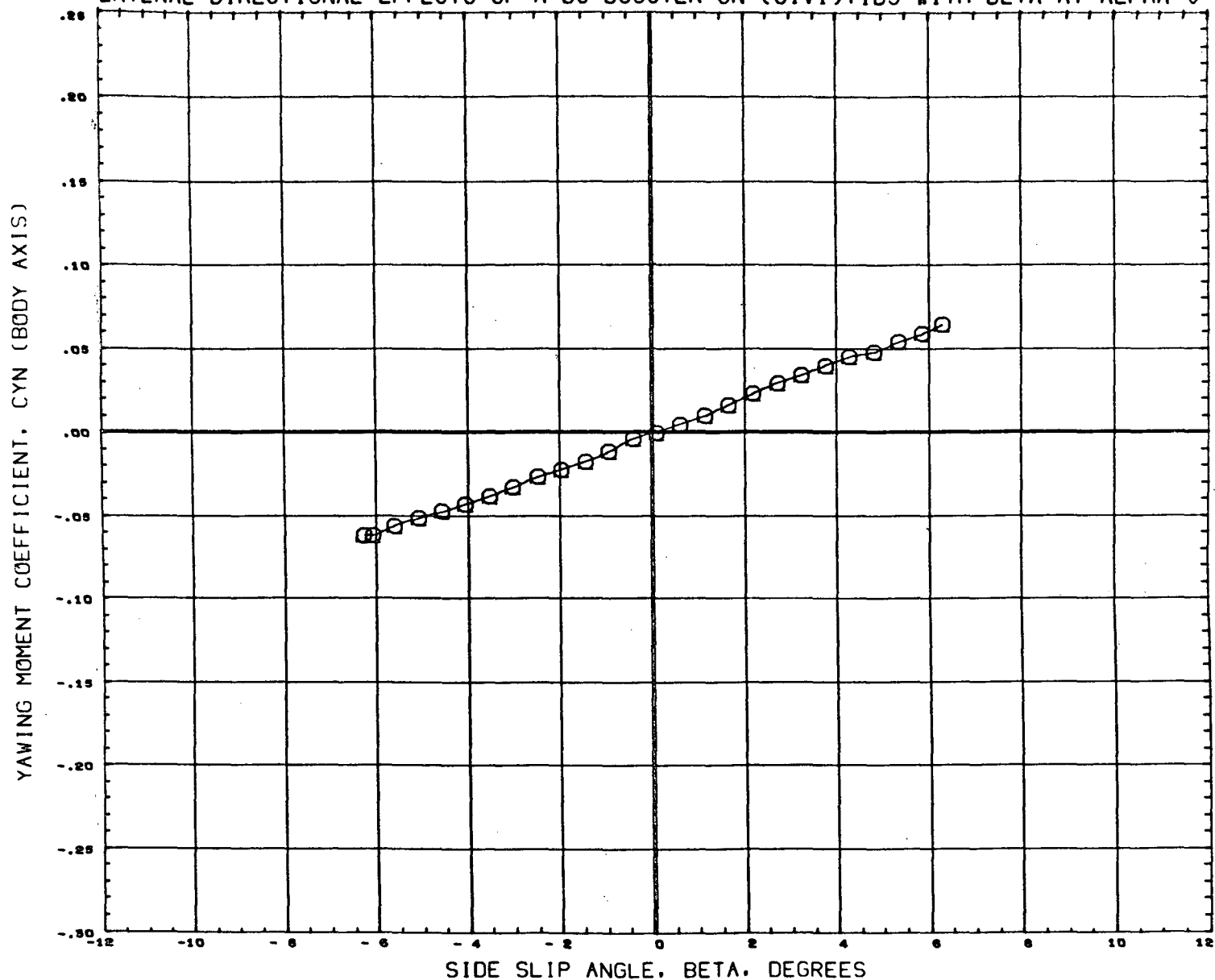
# LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 WITH BETA AT ALPHA=0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7434)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7435)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.9004 IN.
						BREF	882.0004 IN.
						XMRP	957.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

# LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 WITH BETA AT ALPHA=0



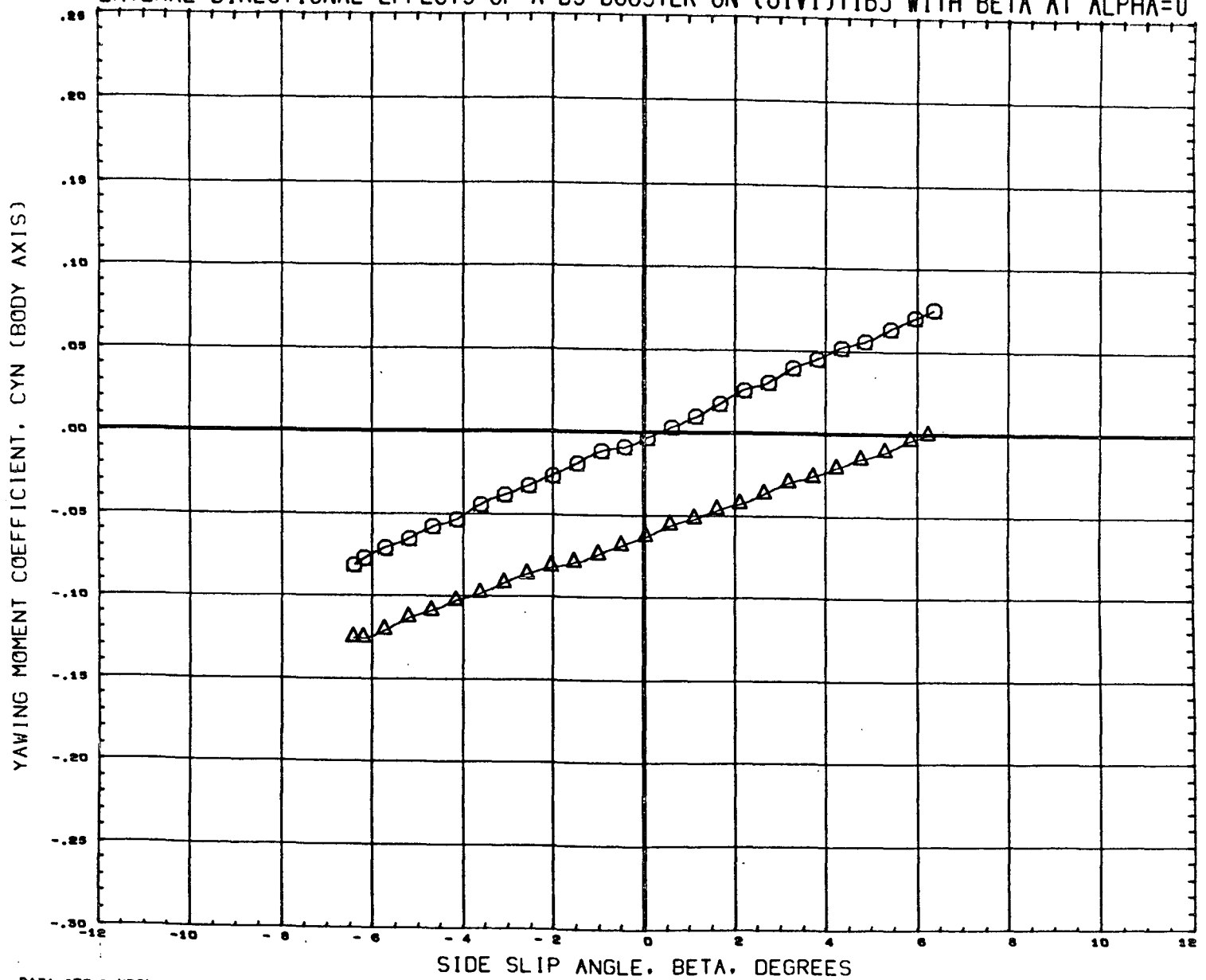
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (RD7434)    ○    MDAC S-222 COMPOSITE (T-C6) (01V1)T1B5  
 (RD7438)    △    DATA NOT AVAILABLE FOR ALL CONDITIONS

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	809.3004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .59

PAGE 819

# LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 WITH BETA AT ALPHA=0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RD7434) (O) MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5  
 (RD7438) (Δ) MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5L(B5R)

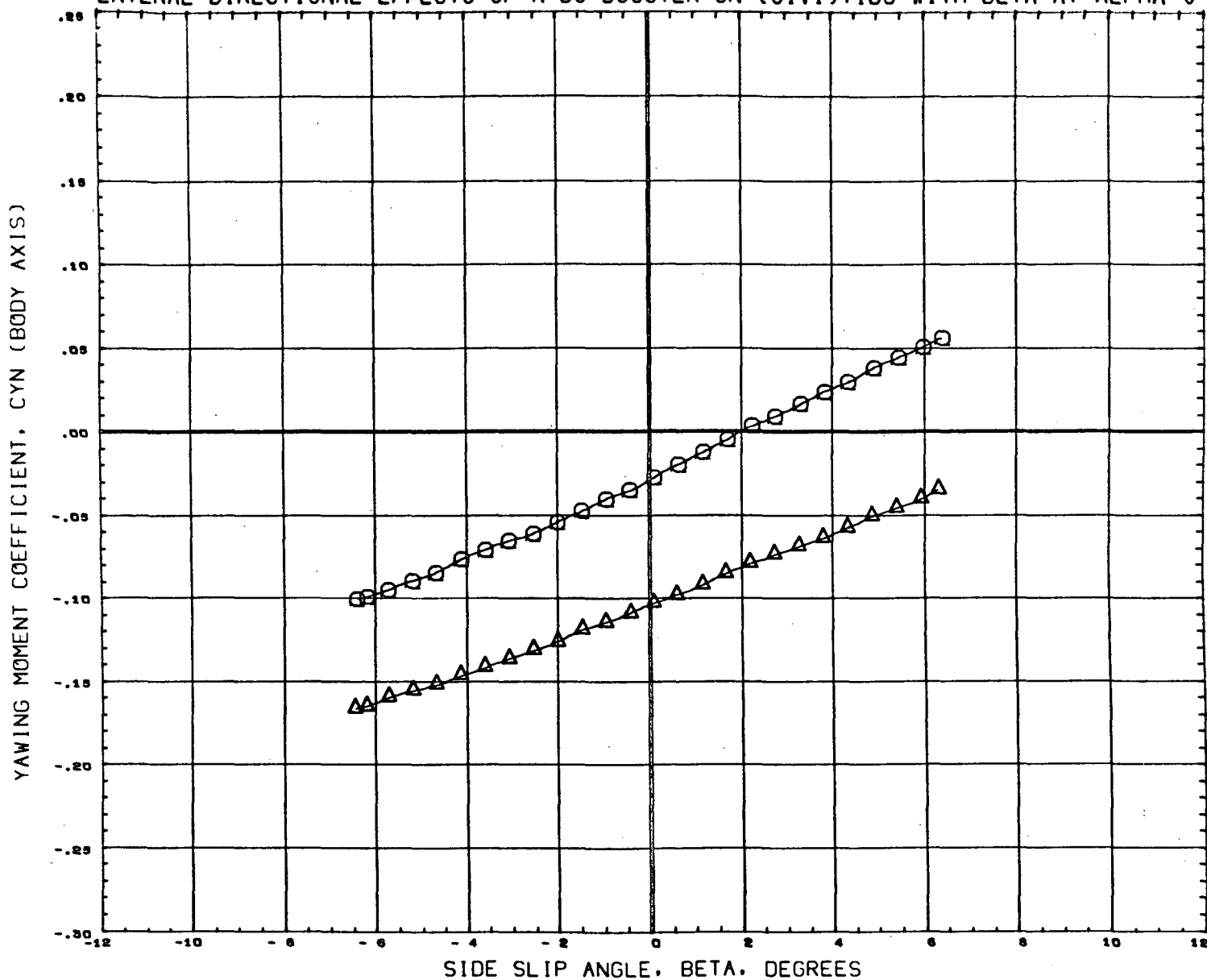
ALPHA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 0.000 0.000 0.000 0.000

REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH .90

PAGE 820

# LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 WITH BETA AT ALPHA=0

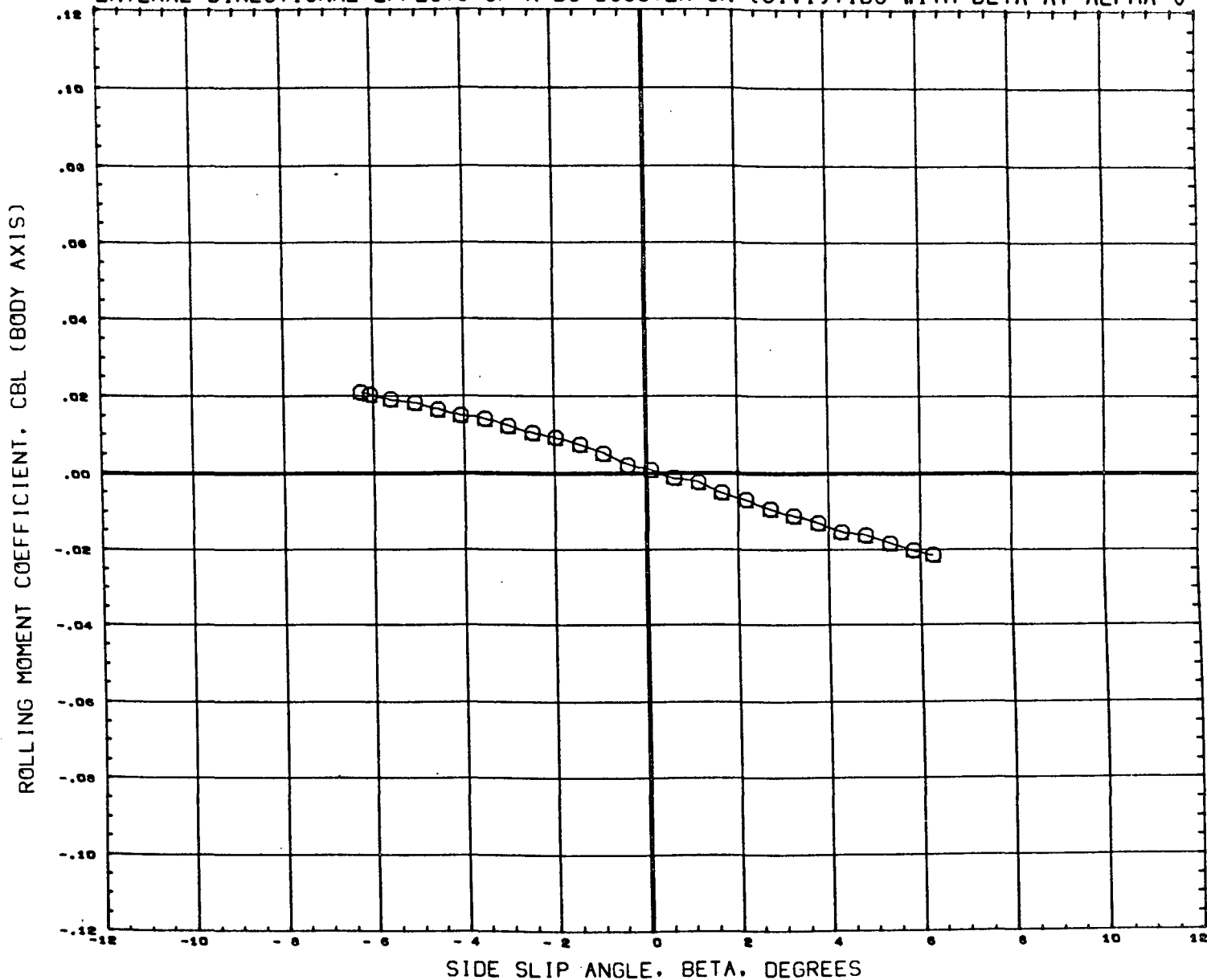


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7434)	MDAC S-222 COMPOSITE(T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7436)	MDAC S-222 COMPOSITE(T-CG) (01V1)T1B5L(B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	662.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

PAGE 821

# LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 WITH BETA AT ALPHA=0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RD7434)  MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5  
 (RD7436)  DATA NOT AVAILABLE FOR ALL CONDITIONS

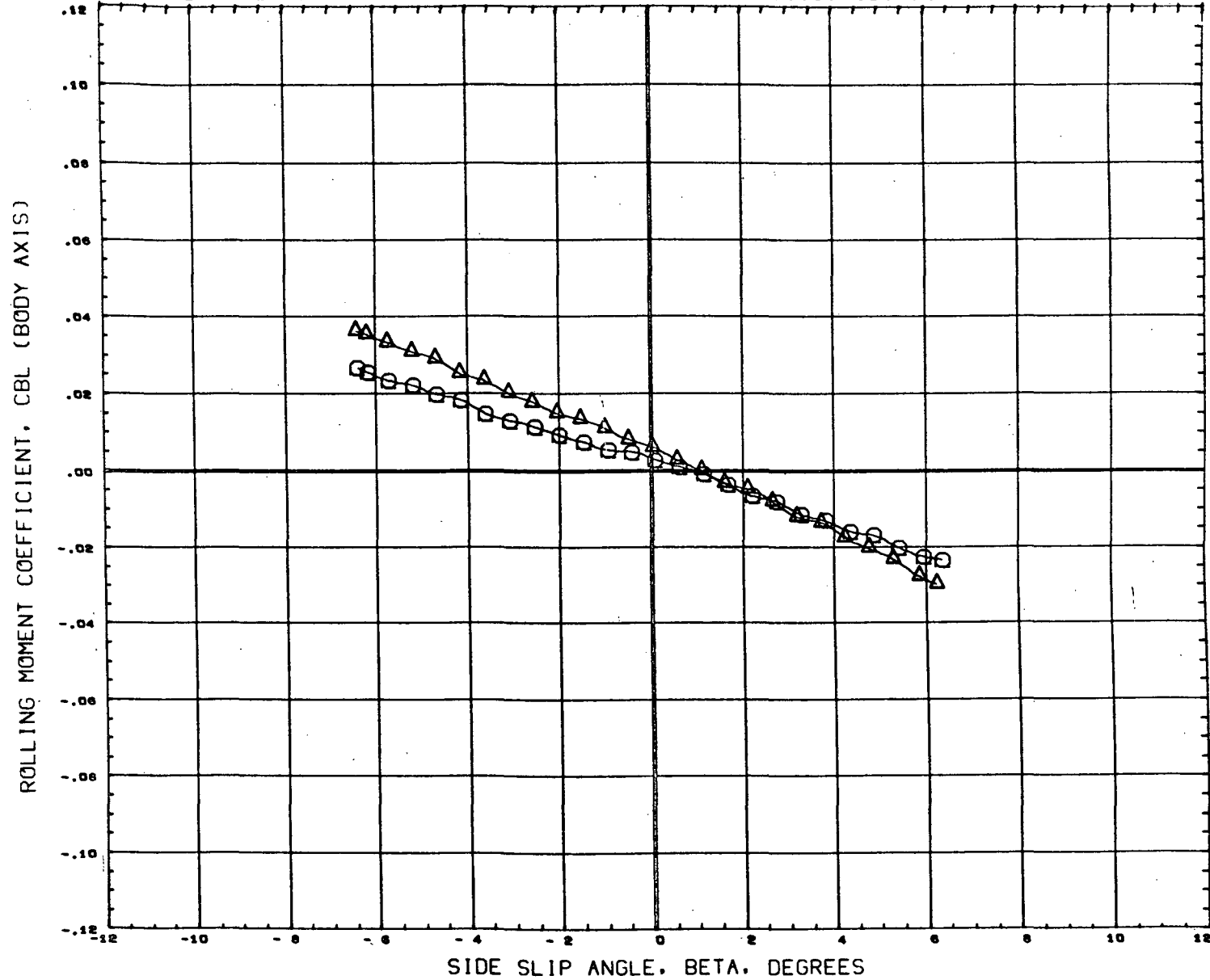
ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .59

PAGE 822



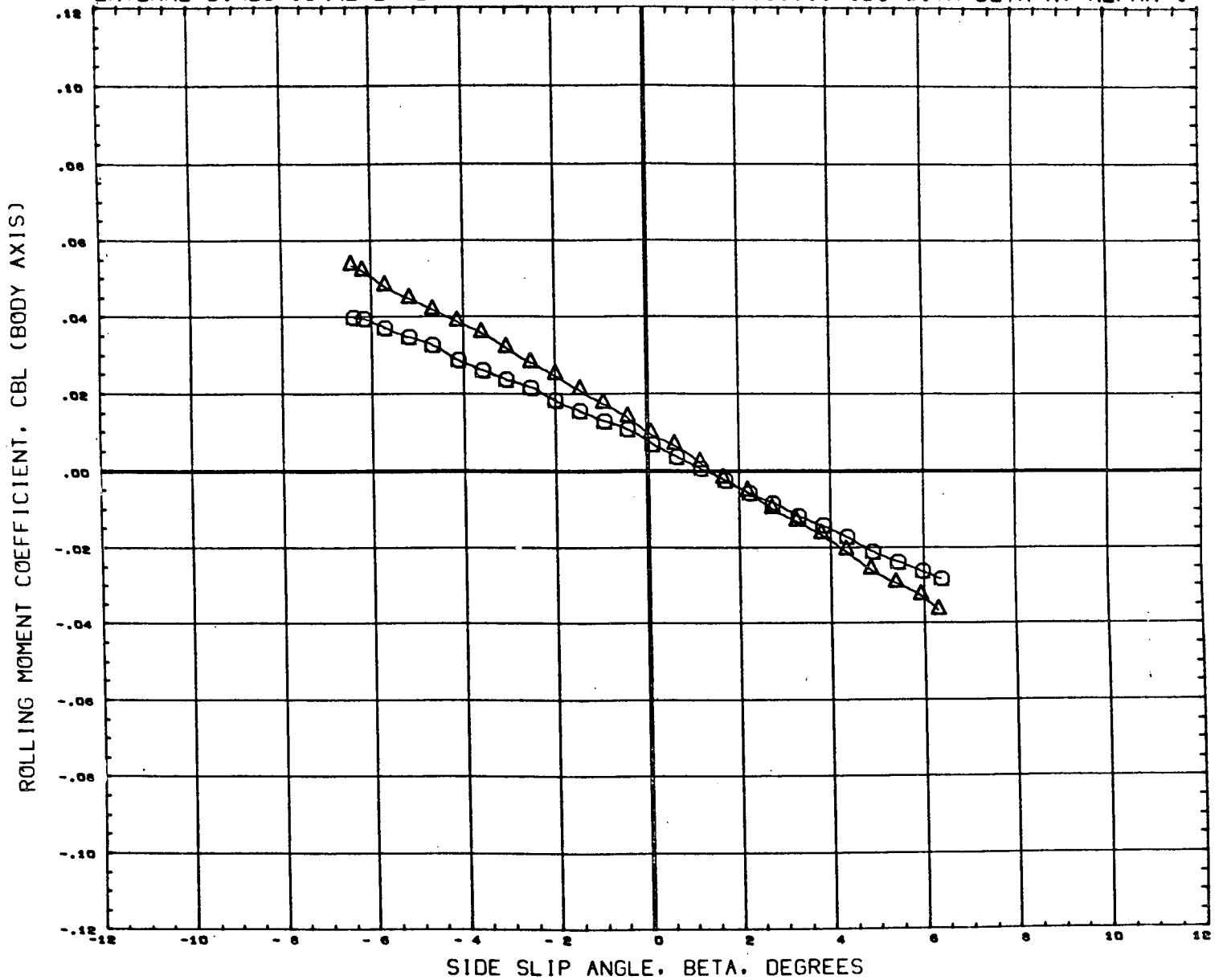
# LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 WITH BETA AT ALPHA=0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7434)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7435)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

C.11

# LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 WITH BETA AT ALPHA=0



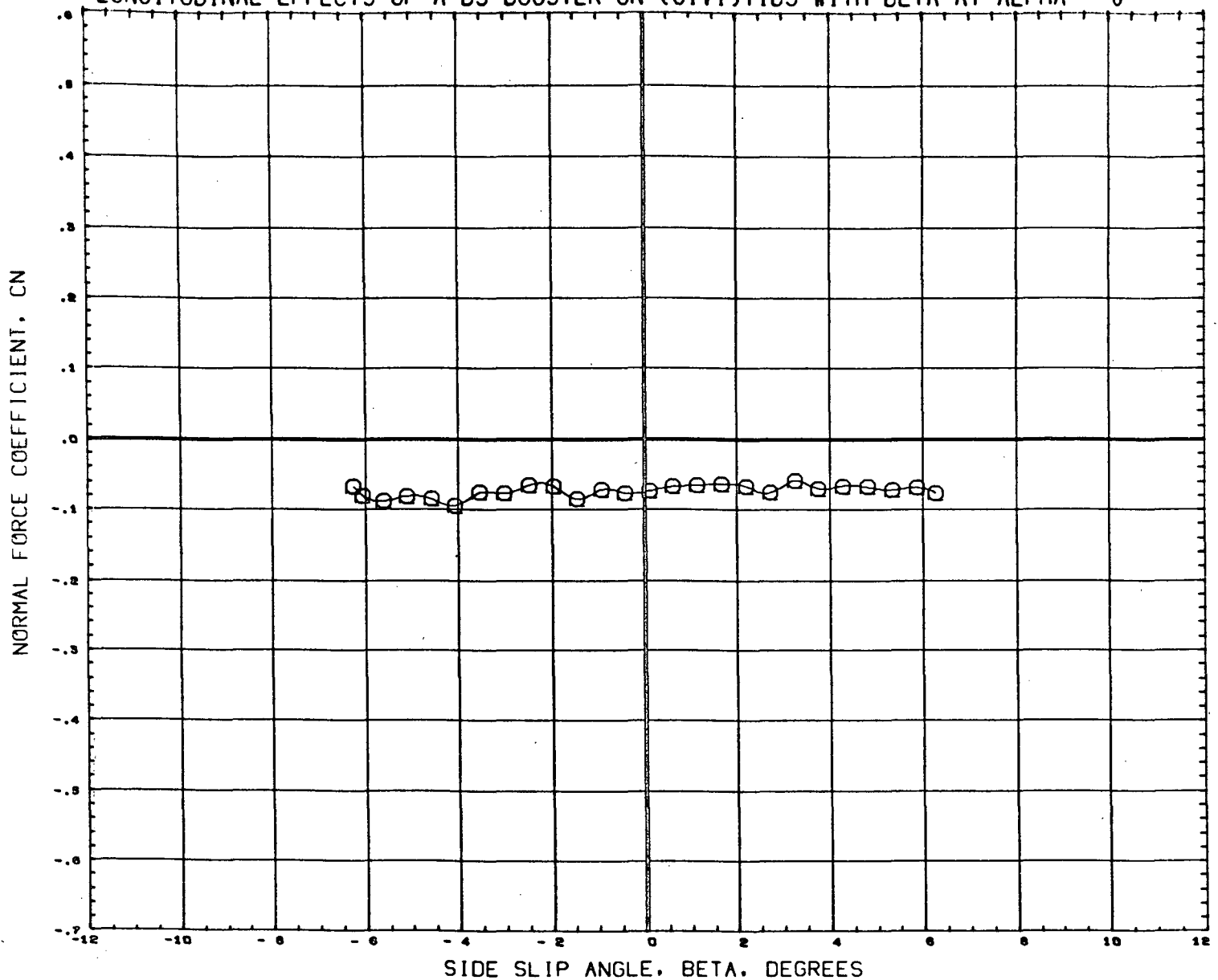
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7434)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7435)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	662.0004 IN.
						XMRP	957.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH

1.10

PAGE 824

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 WITH BETA AT ALPHA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

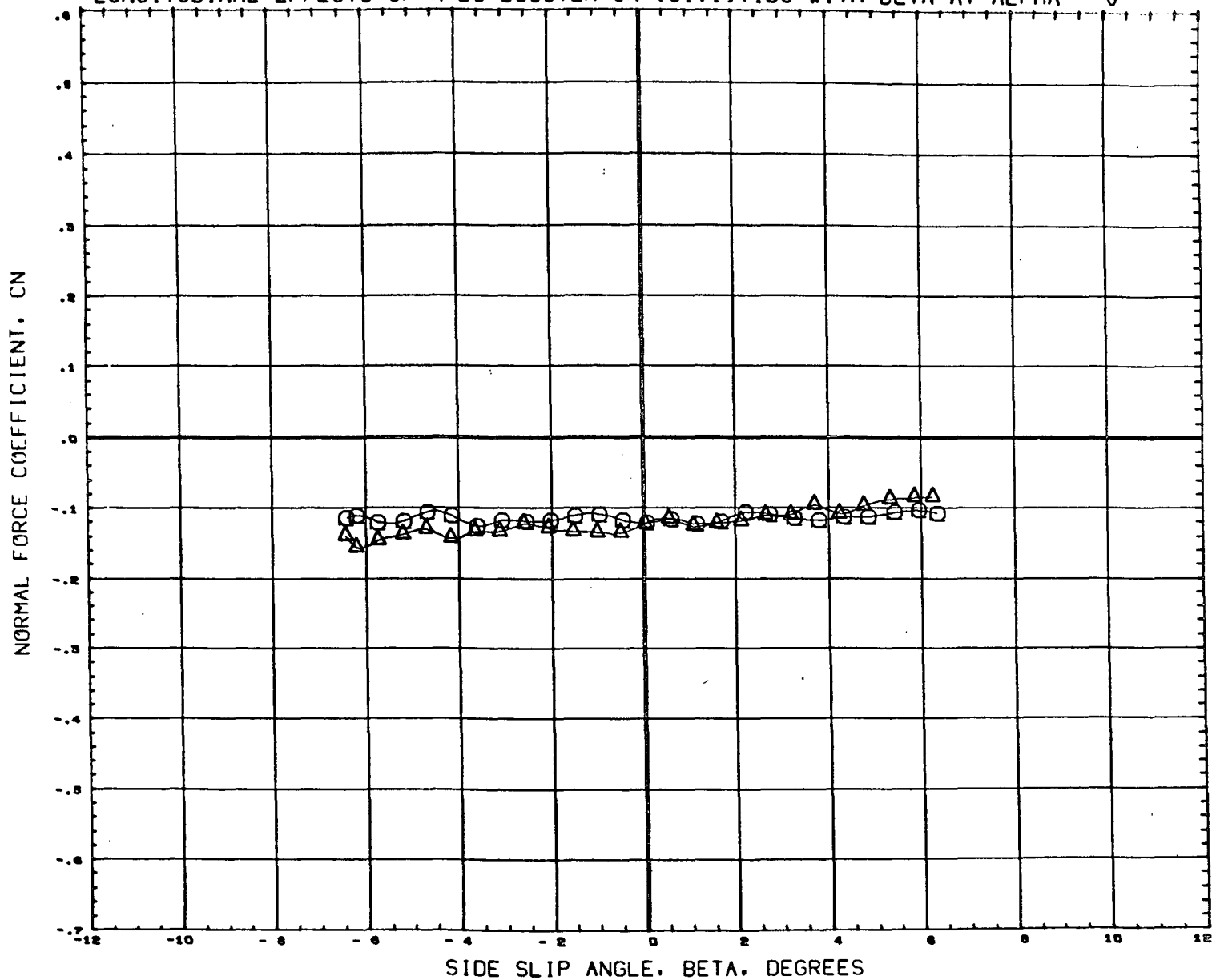
(CD7434) MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5  
 (CD7436) DATA NOT AVAILABLE FOR ALL CONDITIONS

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	662.0004 IN.
				XMRP	957.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .59

PAGE 825

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 WITH BETA AT ALPHA = 0

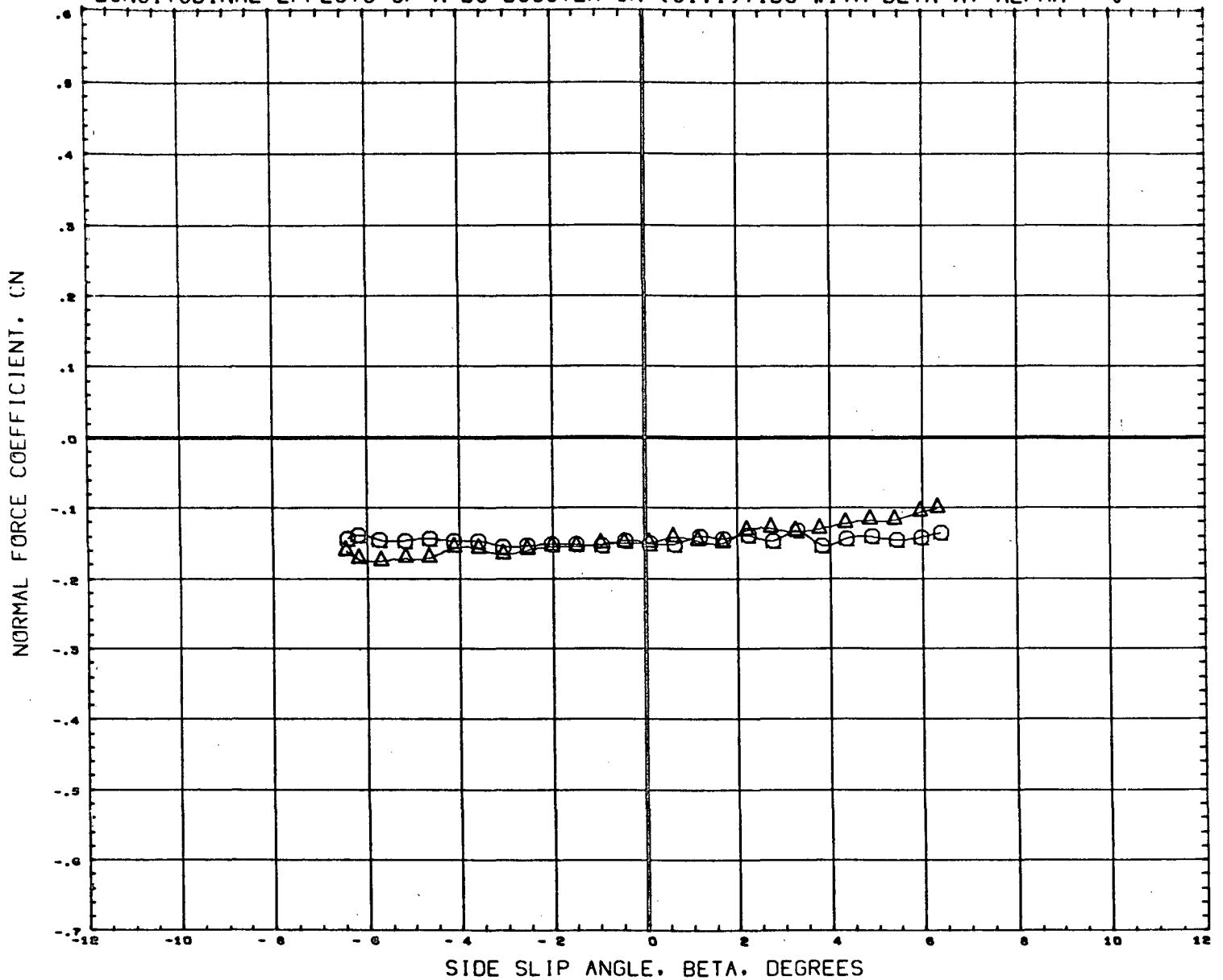


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7434)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7436)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T1B5L(B5R)	0.000	0.000	0.000	0.000	LREF	609.3004 IN.
						BREF	882.0004 IN.
						XMRP	357.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 826

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 WITH BETA AT ALPHA = 0

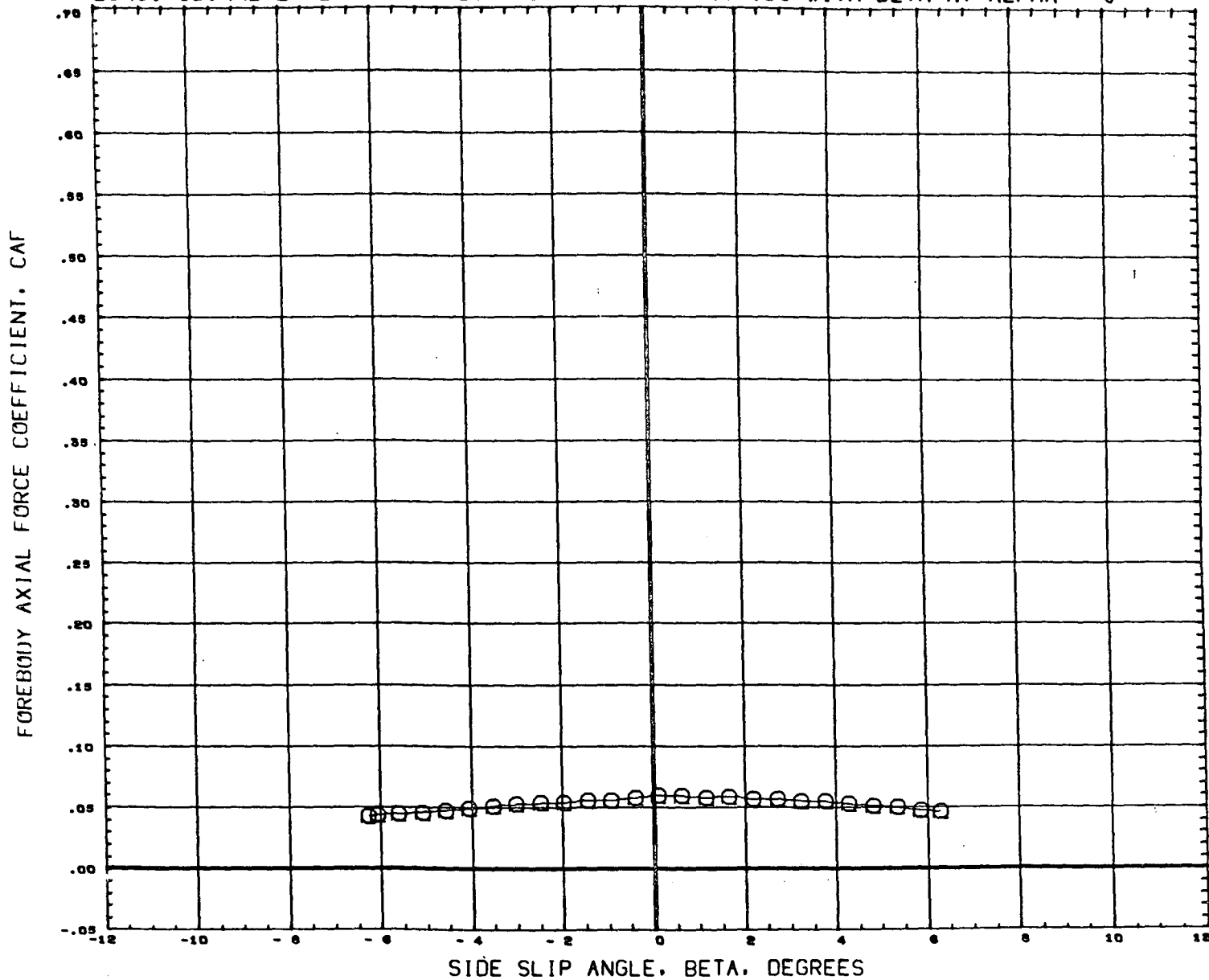


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7434)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD7436)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.3004	IN.
						BREF	862.0004	IN.
						XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH 1.10

PAGE 827

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 WITH BETA AT ALPHA = 0

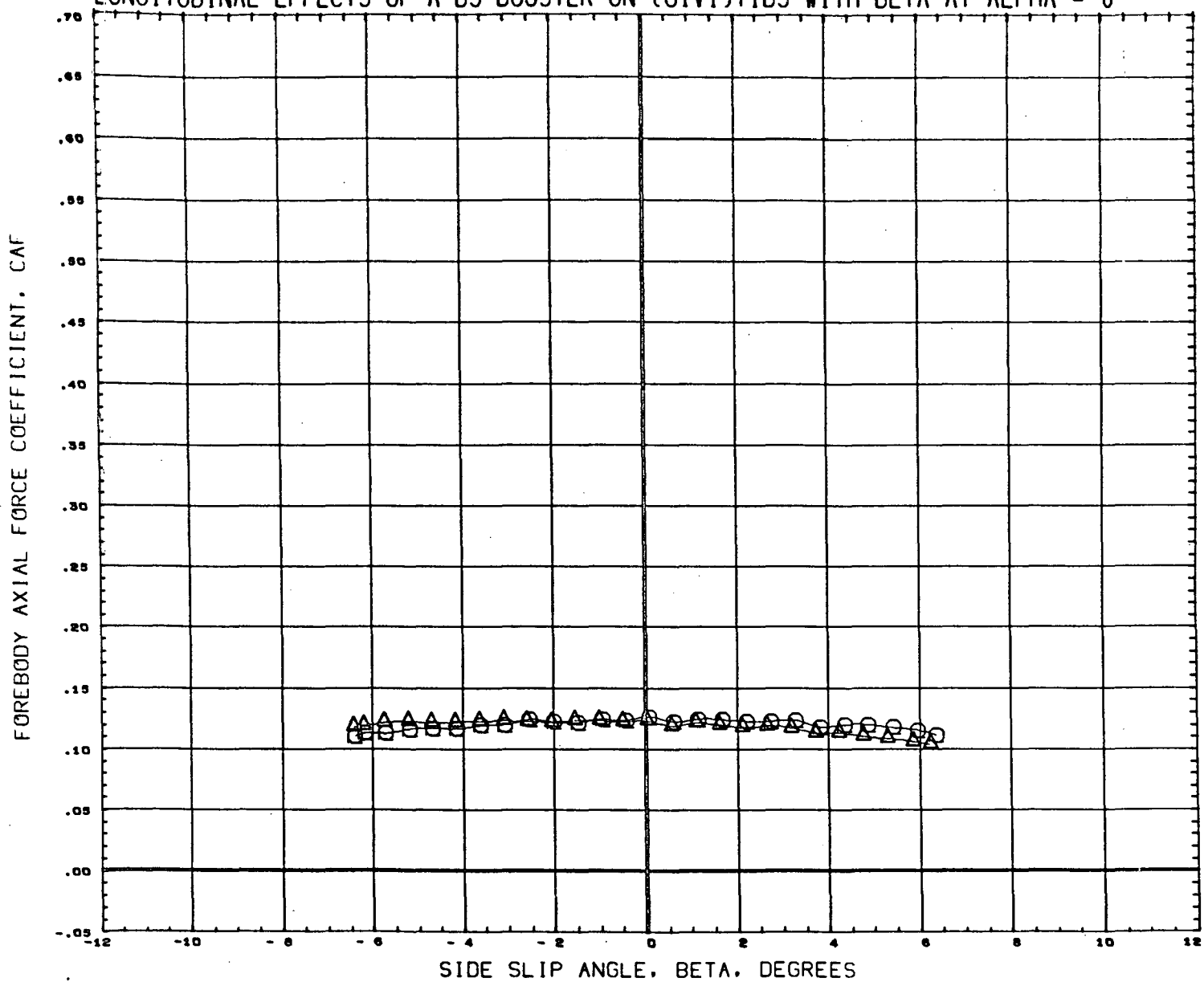


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7434)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7436)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	LREF	609.9004 IN.
						BREF	662.0004 IN.
						XMRP	957.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .59

PAGE 828

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 WITH BETA AT ALPHA = 0

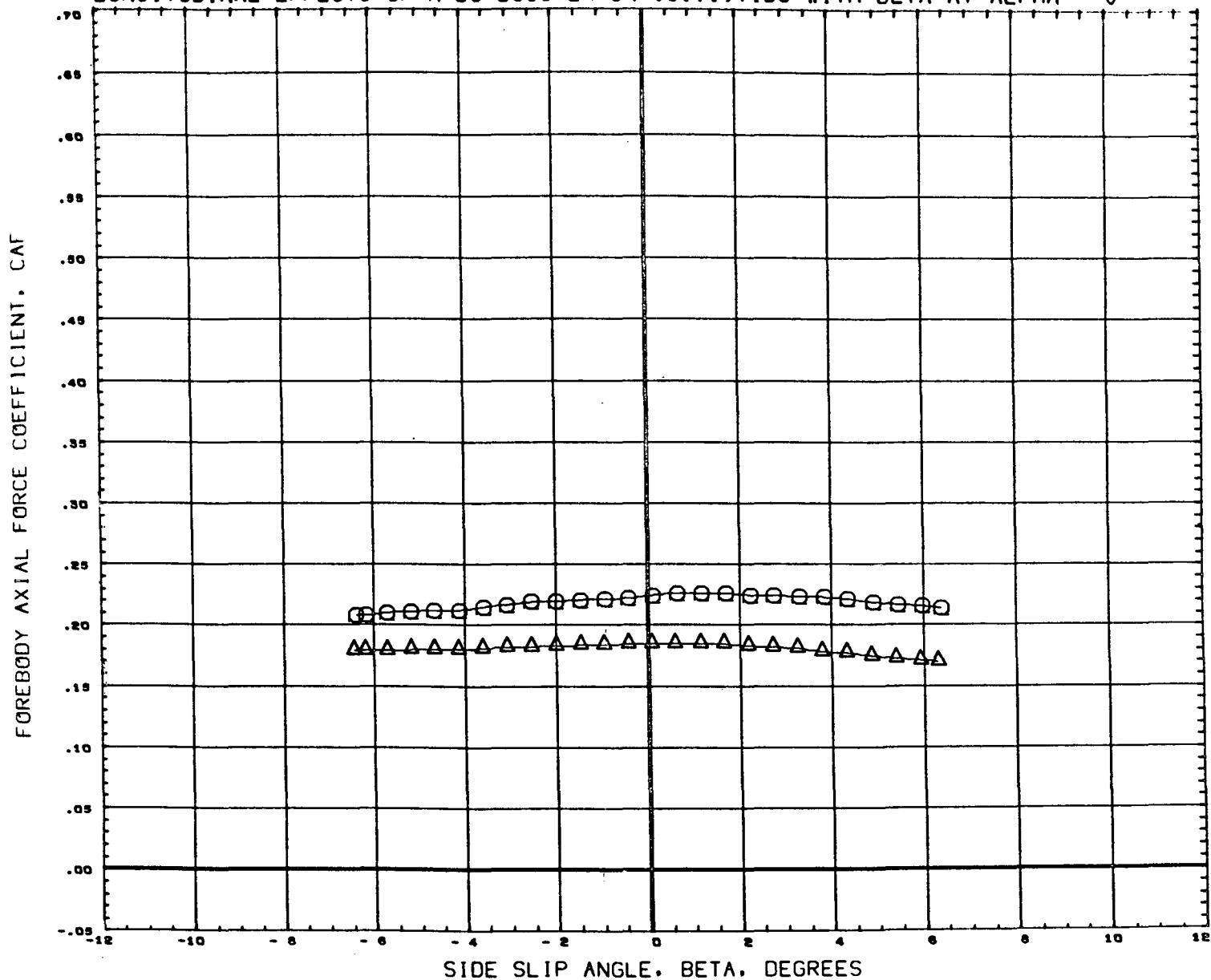


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7434)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7436)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.9004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 829

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 WITH BETA AT ALPHA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CDP434)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CDP438)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	997.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

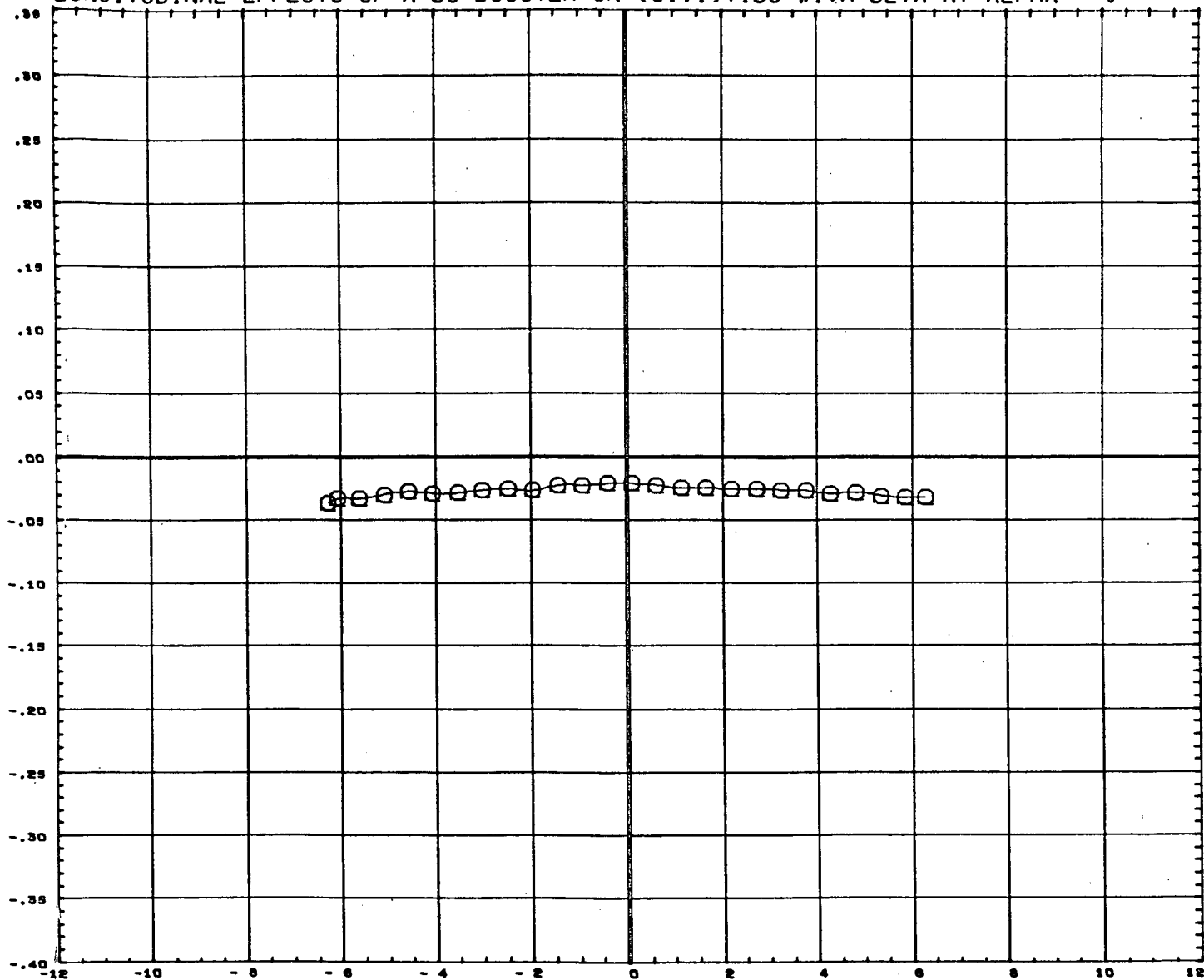
MACH 1.10

PAGE 830



# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 WITH BETA AT ALPHA = 0

PITCHING MOMENT COEFFICIENT, CLM



SIDE SLIP ANGLE, BETA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7434) MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5  
 (CD7436) DATA NOT AVAILABLE FOR ALL CONDITIONS

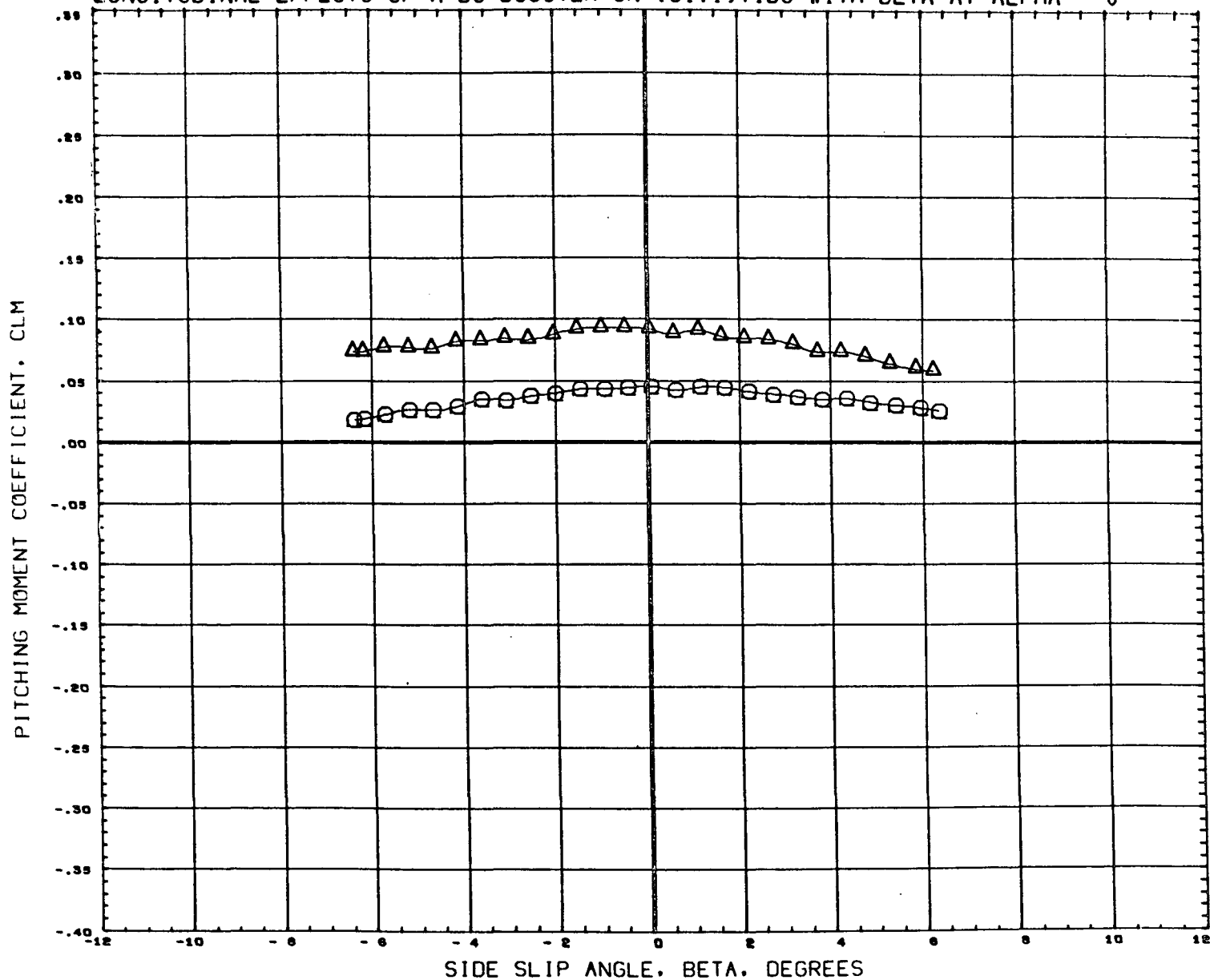
ALPHA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH .59

PAGE 831

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 WITH BETA AT ALPHA = 0

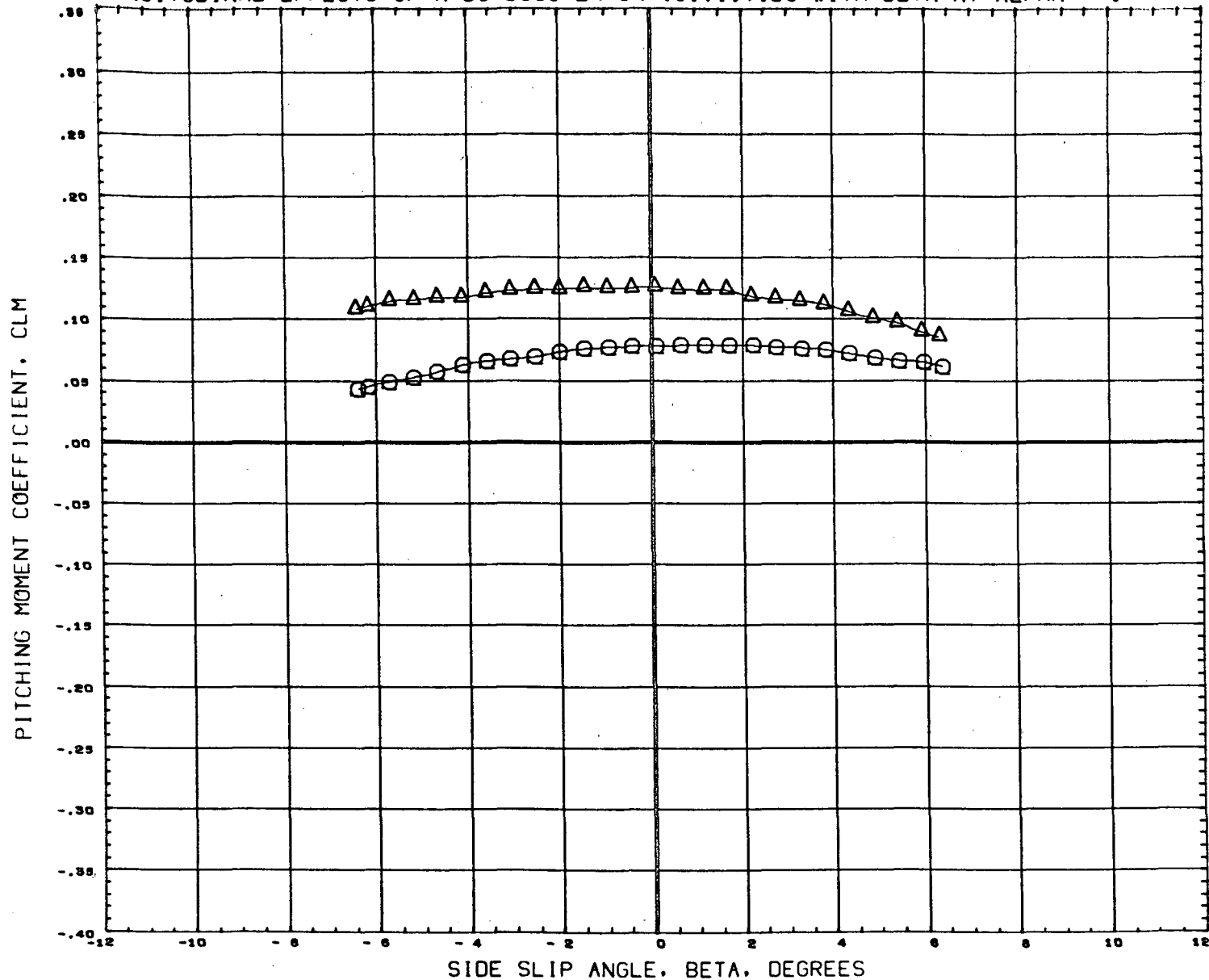


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7434)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7436)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T1B5L(B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	682.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 832

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 WITH BETA AT ALPHA = 0

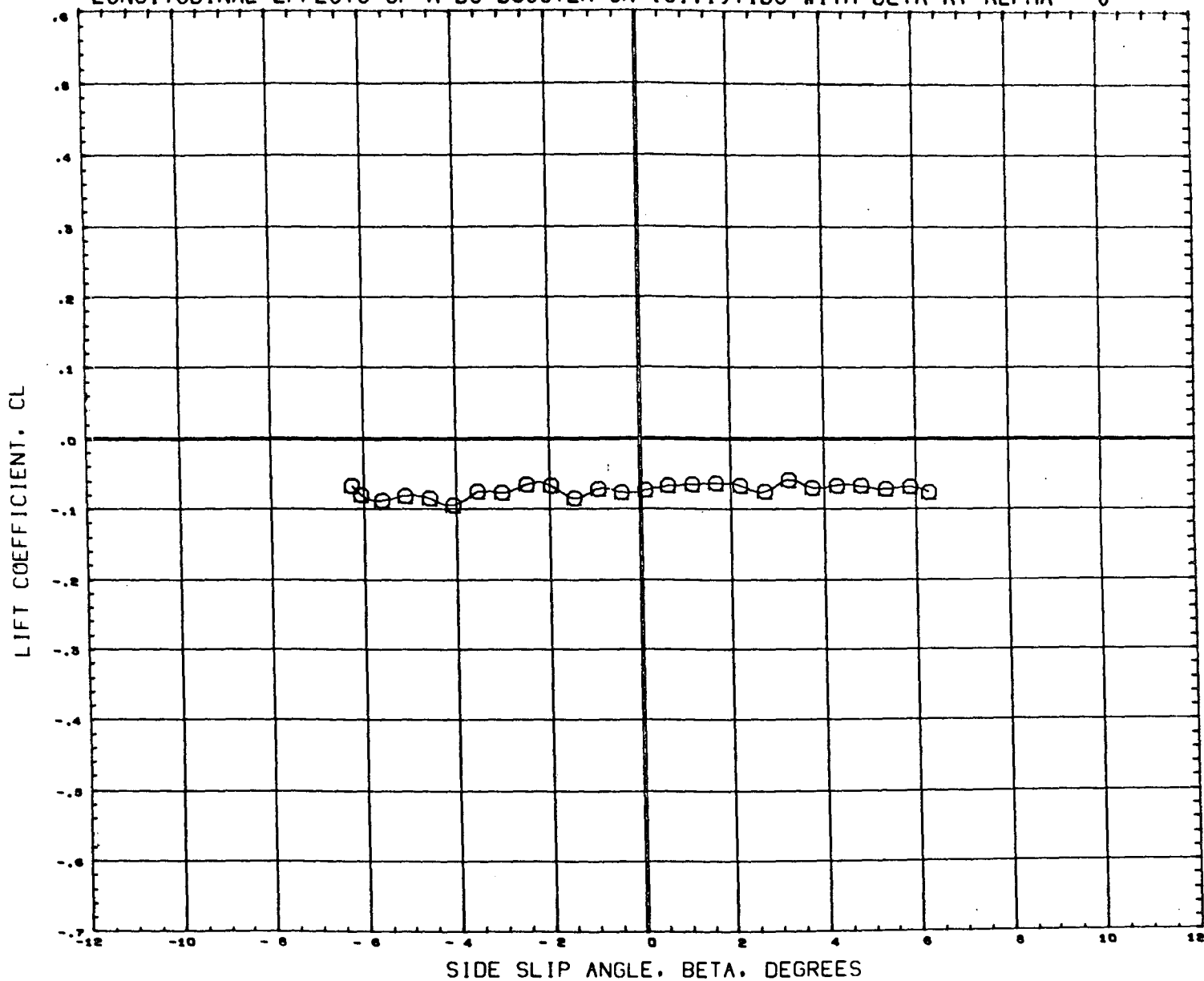


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7434)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7436)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T1B5L(B5R)	0.000	0.000	0.000	0.000	LREF	809.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

PAGE 833

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 WITH BETA AT ALPHA = 0



DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7434)    HDAC S-222 COMPOSITE(T-CG) (O1V1)T1B5  
 (CD7436)    DATA NOT AVAILABLE FOR ALL CONDITIONS

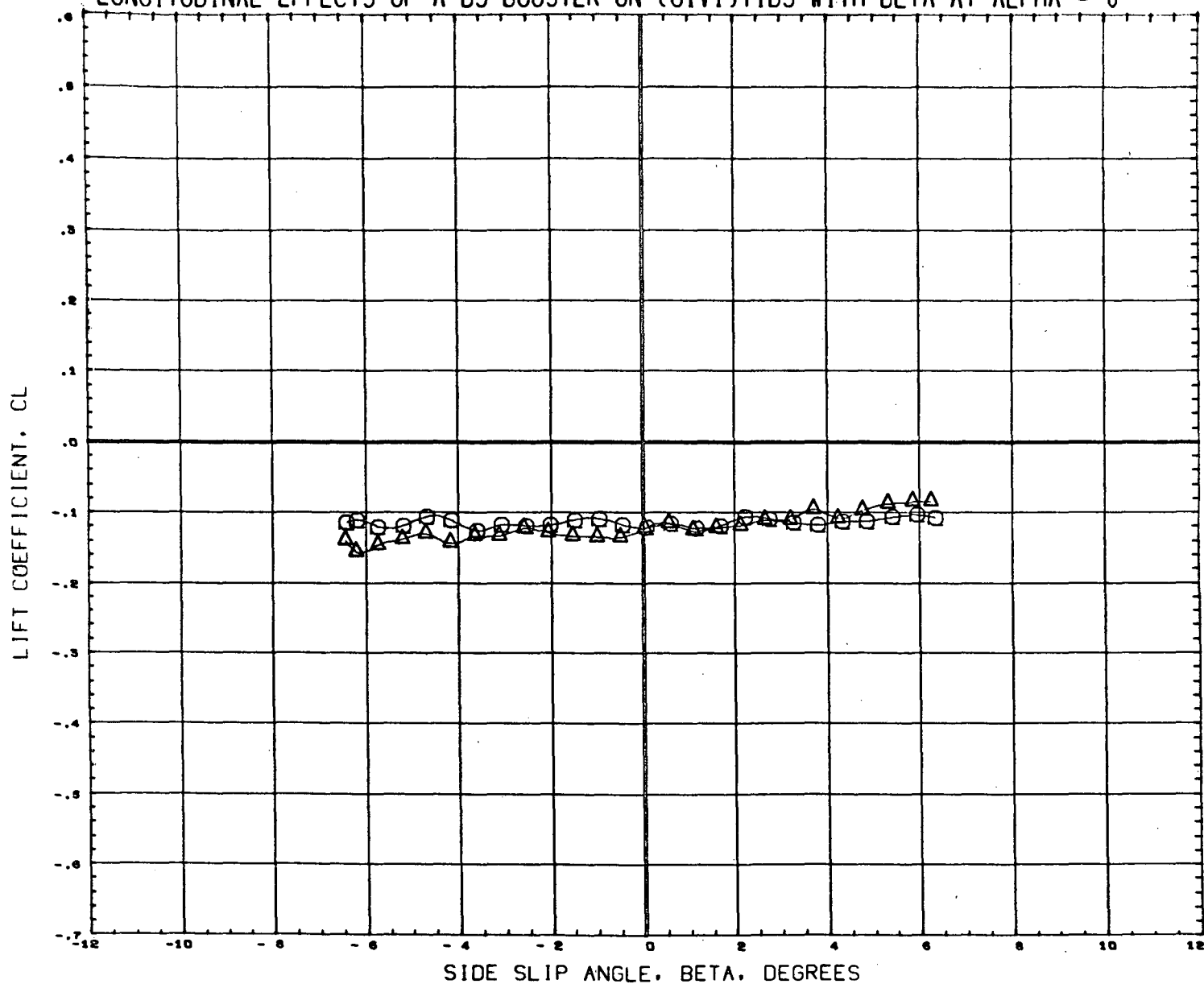
ALPHA	ELEVTR	ATLON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	662.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH        .59

PAGE    834

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 WITH BETA AT ALPHA = 0

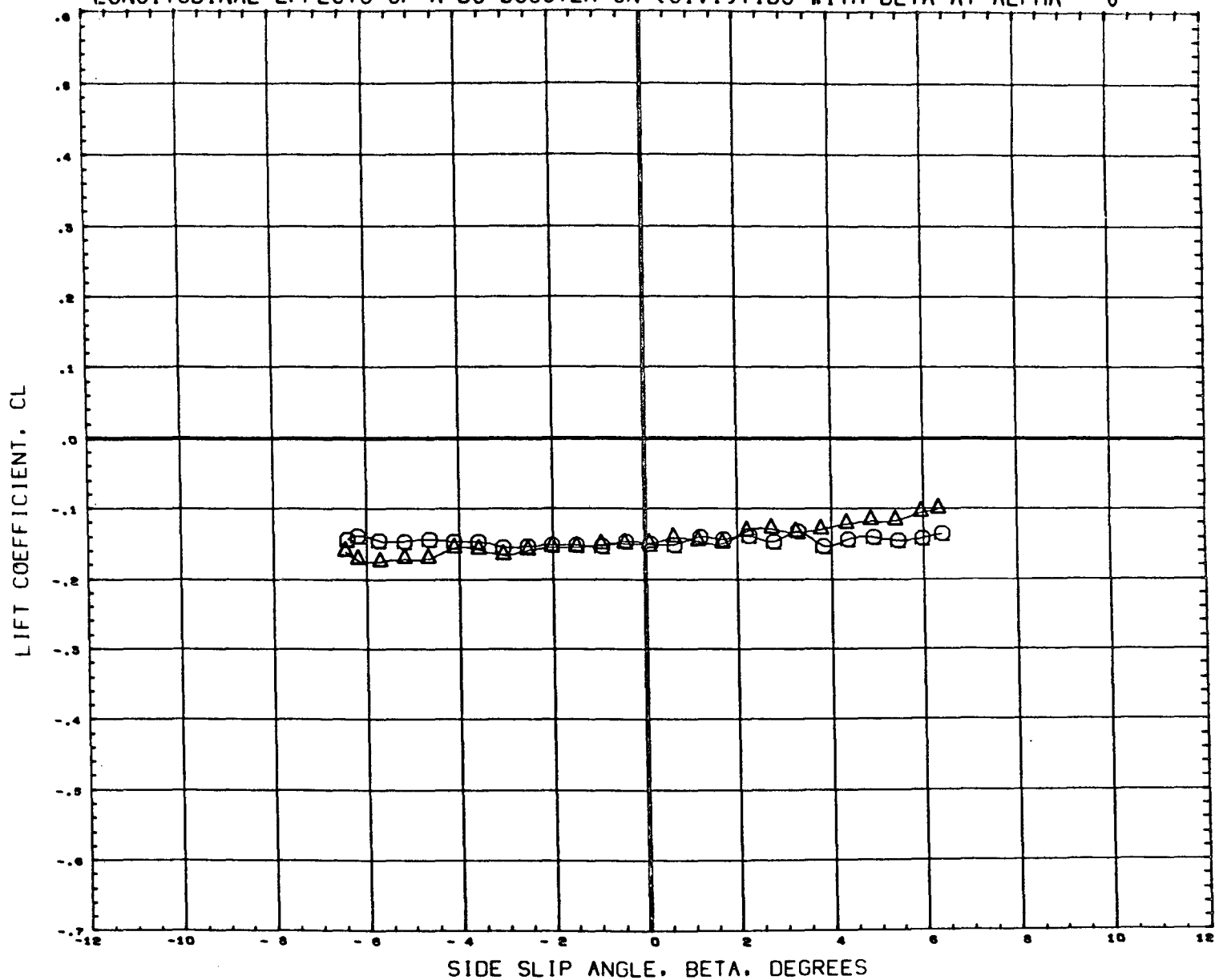


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7434)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7438)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	662.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 835

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 WITH BETA AT ALPHA = 0



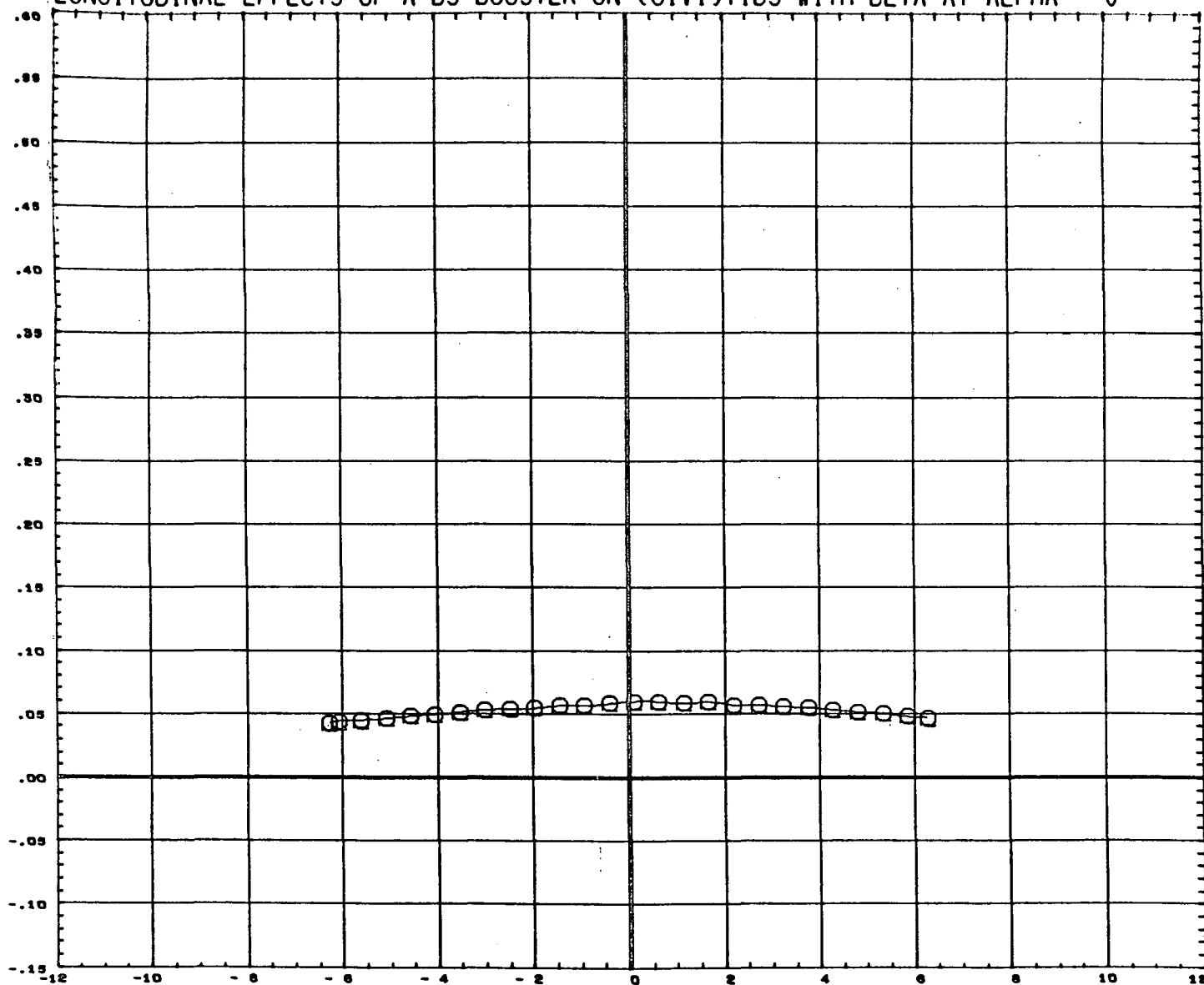
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7434)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7436)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T1B5L(B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	662.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

PAGE 836

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 WITH BETA AT ALPHA = 0

FOREBODY DRAG COEFFICIENT, CDF



SIDE SLIP ANGLE, BETA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7434) MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5  
 (CD7436) DATA NOT AVAILABLE FOR ALL CONDITIONS

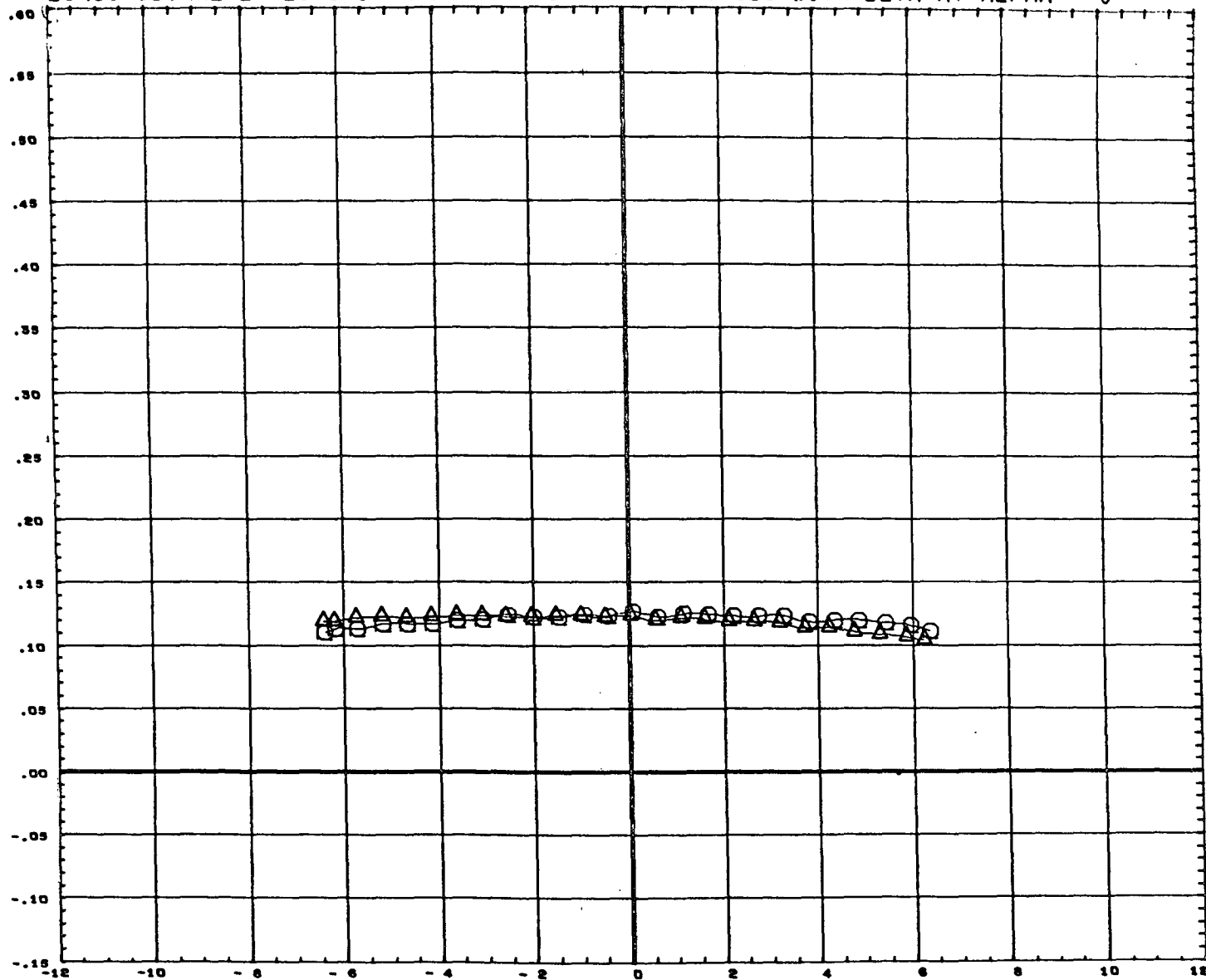
ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .59

PAGE 837

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T1B5 WITH BETA AT ALPHA = 0

FOREBODY DRAG COEFFICIENT, CDF



SIDE SLIP ANGLE, BETA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7434)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD7436)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T1B5L(B5R)	0.000	0.000	0.000	0.000	LREF	609.5004	IN.
						BREF	662.6004	IN.
						XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH

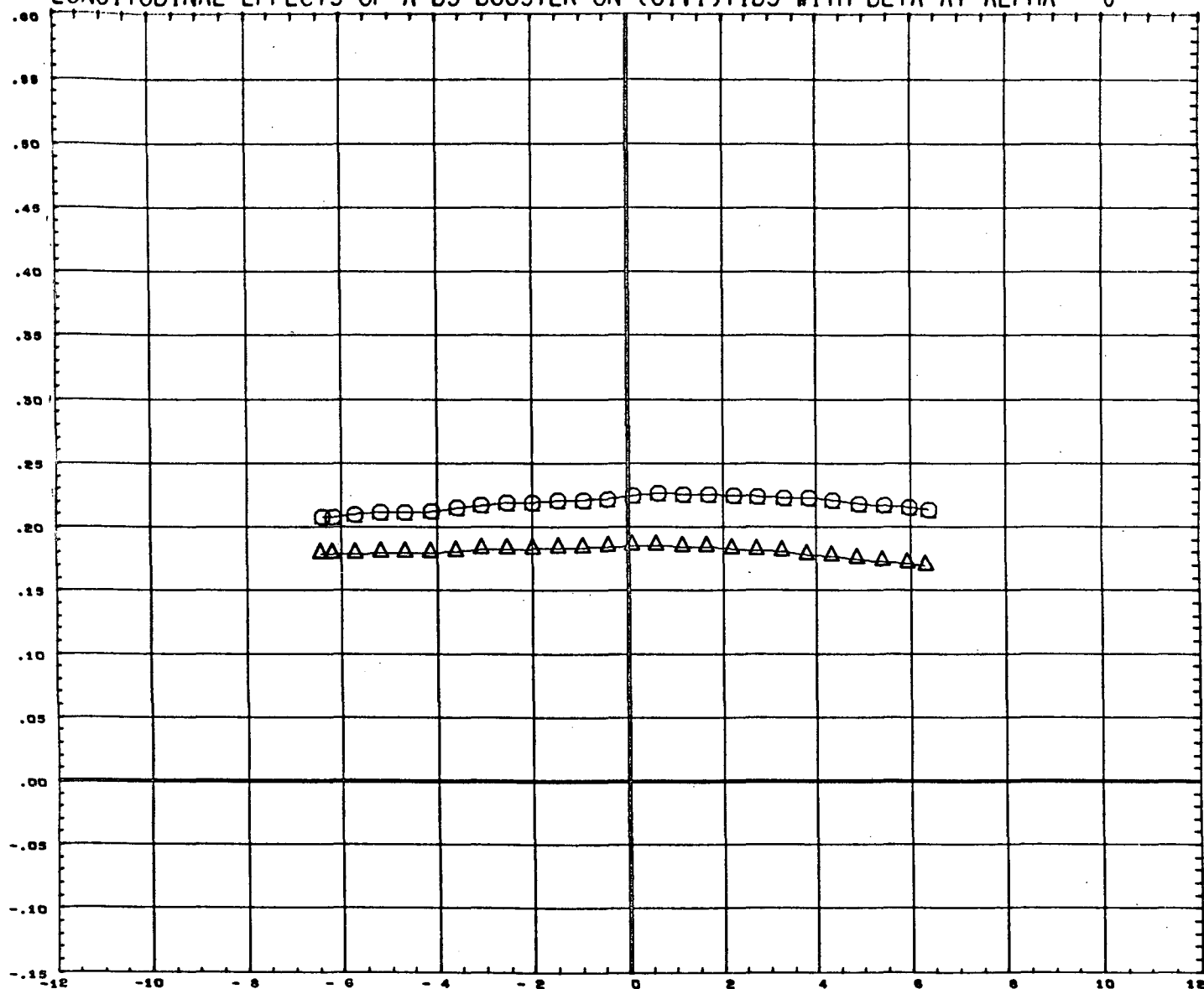
.90

PAGE 838



FOREBODY DRAG COEFFICIENT, CDF

# LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T1B5 WITH BETA AT ALPHA = 0



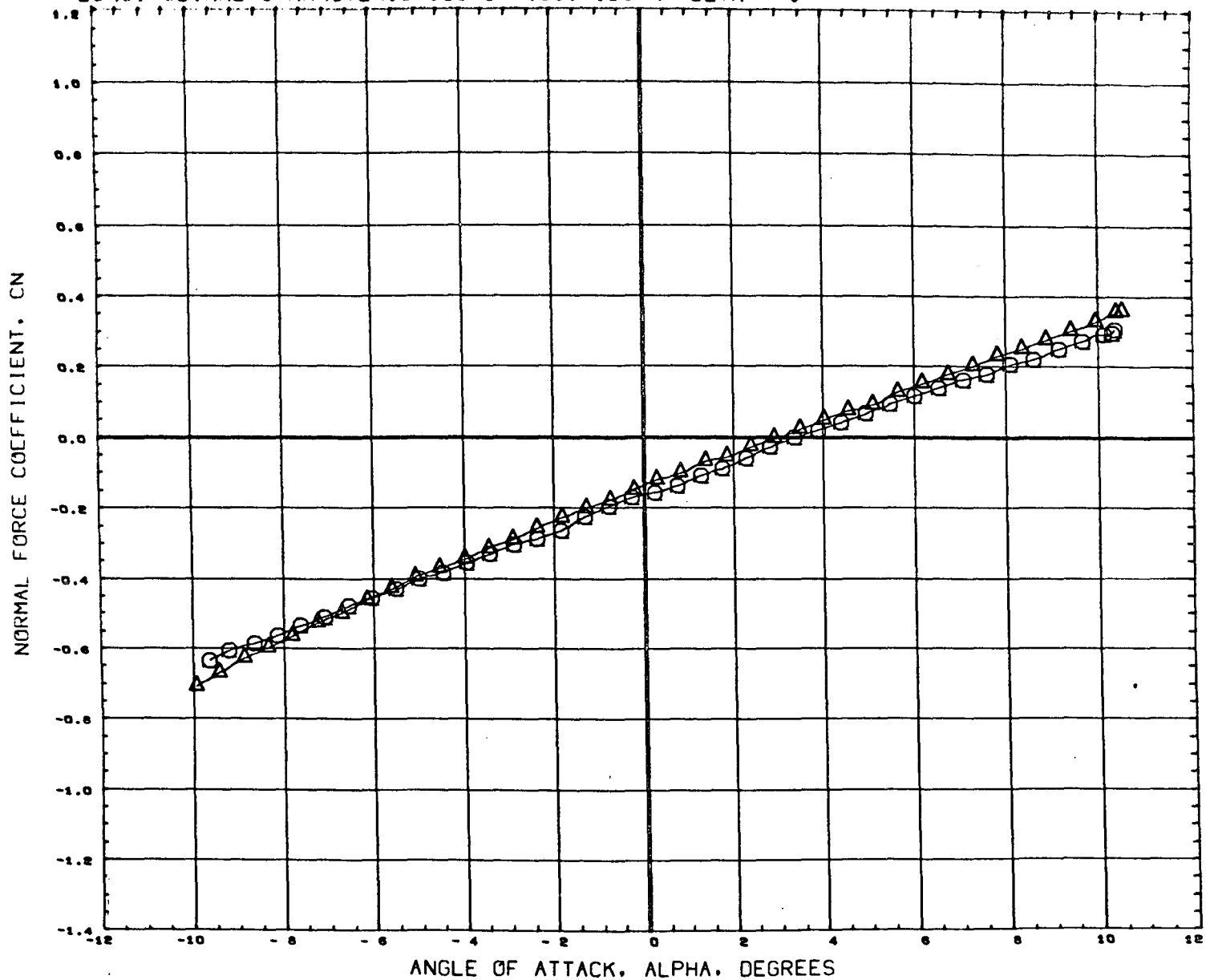
SIDE SLIP ANGLE, BETA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7434)	MDAC S-222 COMPOSITE(T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7438)	MDAC S-222 COMPOSITE(T-CG) (01V1)T1B5L(B5R)	0.000	0.000	0.000	0.000	LREF	609.3004 IN.
						BREF	882.0004 IN.
						XMRP	937.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

PAGE 839

# LONGITUDINAL CHARACTERISTICS OF (01)T1B6 AT BETA = 0

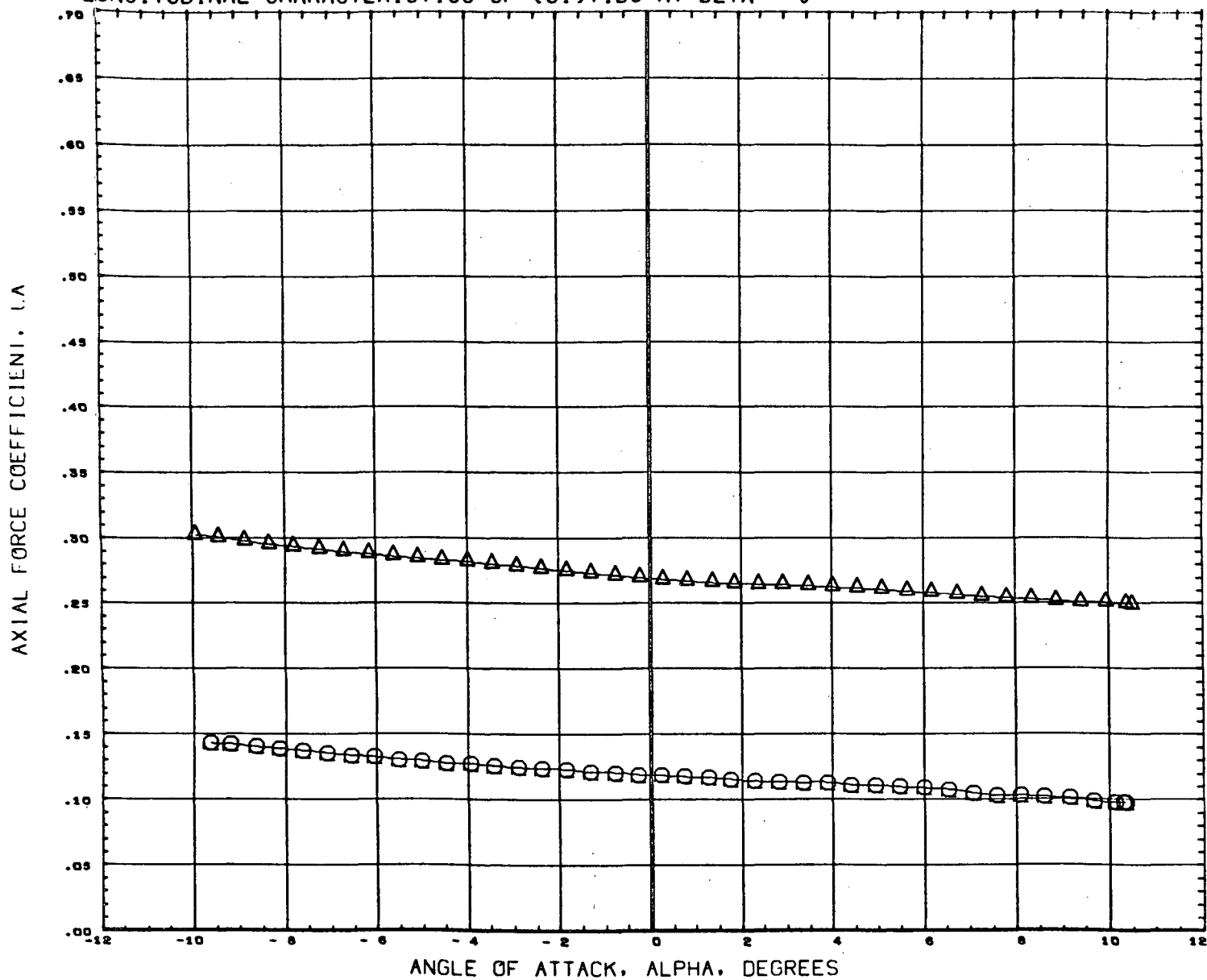


SYMBOL	MACH	PARAMETRIC VALUES			
○	0.579	BETA	0.000	AILRON	0.000
△	1.507	ELEVTR	0.000	RUDDER	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ. FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	957.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE

DATA HIST. CODE TV

# LONGITUDINAL CHARACTERISTICS OF (01)T1B6 AT BETA = 0



SYMBOL	MACH	PARAMETRIC VALUES			
$\Delta$	0.579	BETA	0.000	AILRON	0.000
$\circ$	1.507	ELEVTR	0.000	RUDDER	0.000

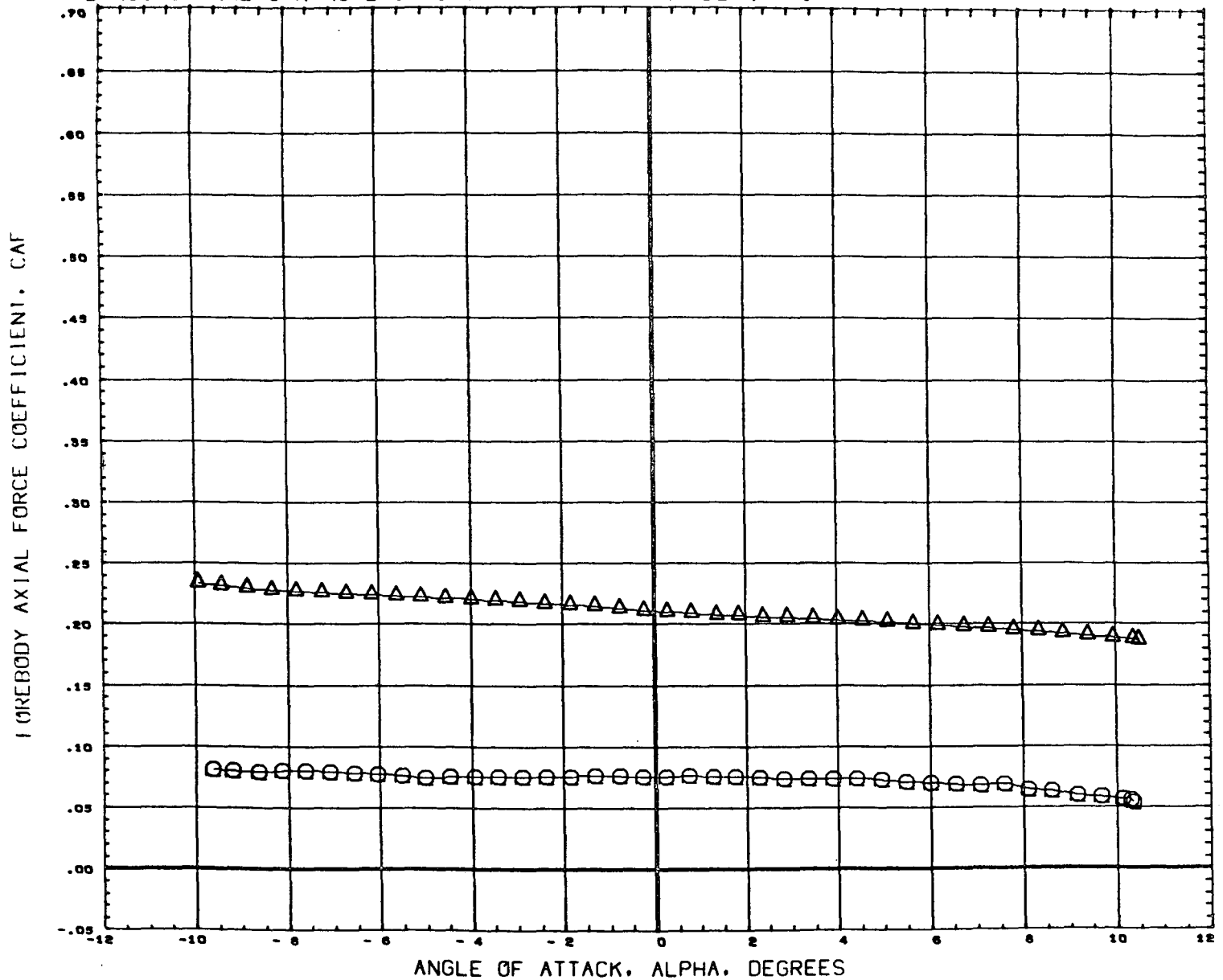
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	662.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE

DATA HIST. CODE TV

MDAC S-222 COMPOSITE(T-CG) (01)T1B6

(CD74C1) 12 SEP 72 PAGE 841

# LONGITUDINAL CHARACTERISTICS OF (01)T1B6 AT BETA = 0



SYMBOL ○ △	MACH	PARAMETRIC VALUES			
	0.979	BETA	0.000	AILRON	0.000
	1.907	ELEVTR	0.000	RUDDER	0.000

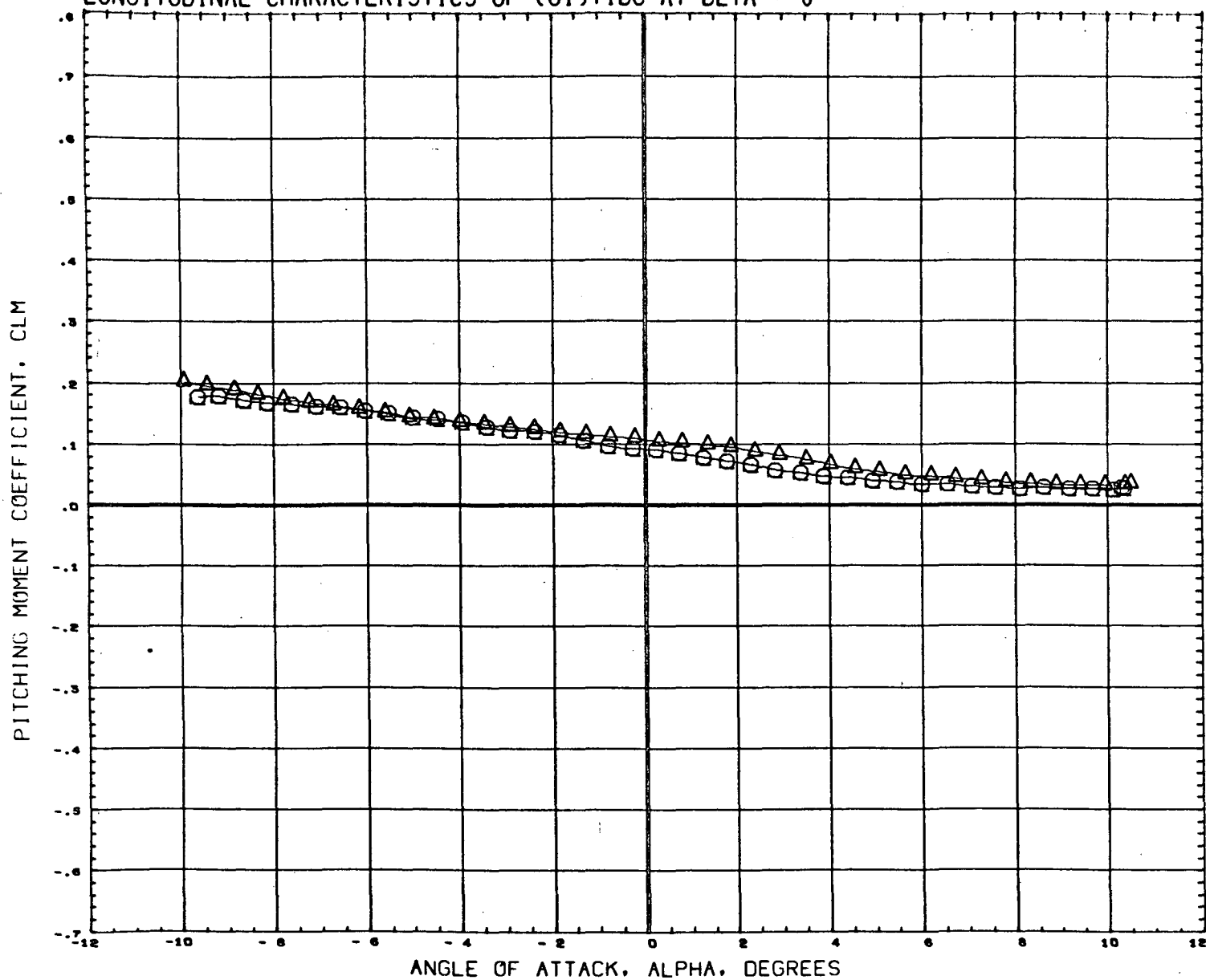
REFERENCE INFORMATION		
SREF	3155.3040	SQ. FT.
LREF	609.5004	IN.
BREF	682.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE

DATA HIST. CODE TV

MDAC S-222 COMPOSITE(T-CG) (01)T1B6

(CD74C1) 12 SEP 72 PAGE 842

# LONGITUDINAL CHARACTERISTICS OF (01)T1B6 AT BETA = 0



SYMBOL	MACH	PARAMETRIC VALUES			
○	0.579	BETA	0.000	AILRON	0.000
△	1.507	ELEVTR	0.000	RUDDER	0.000

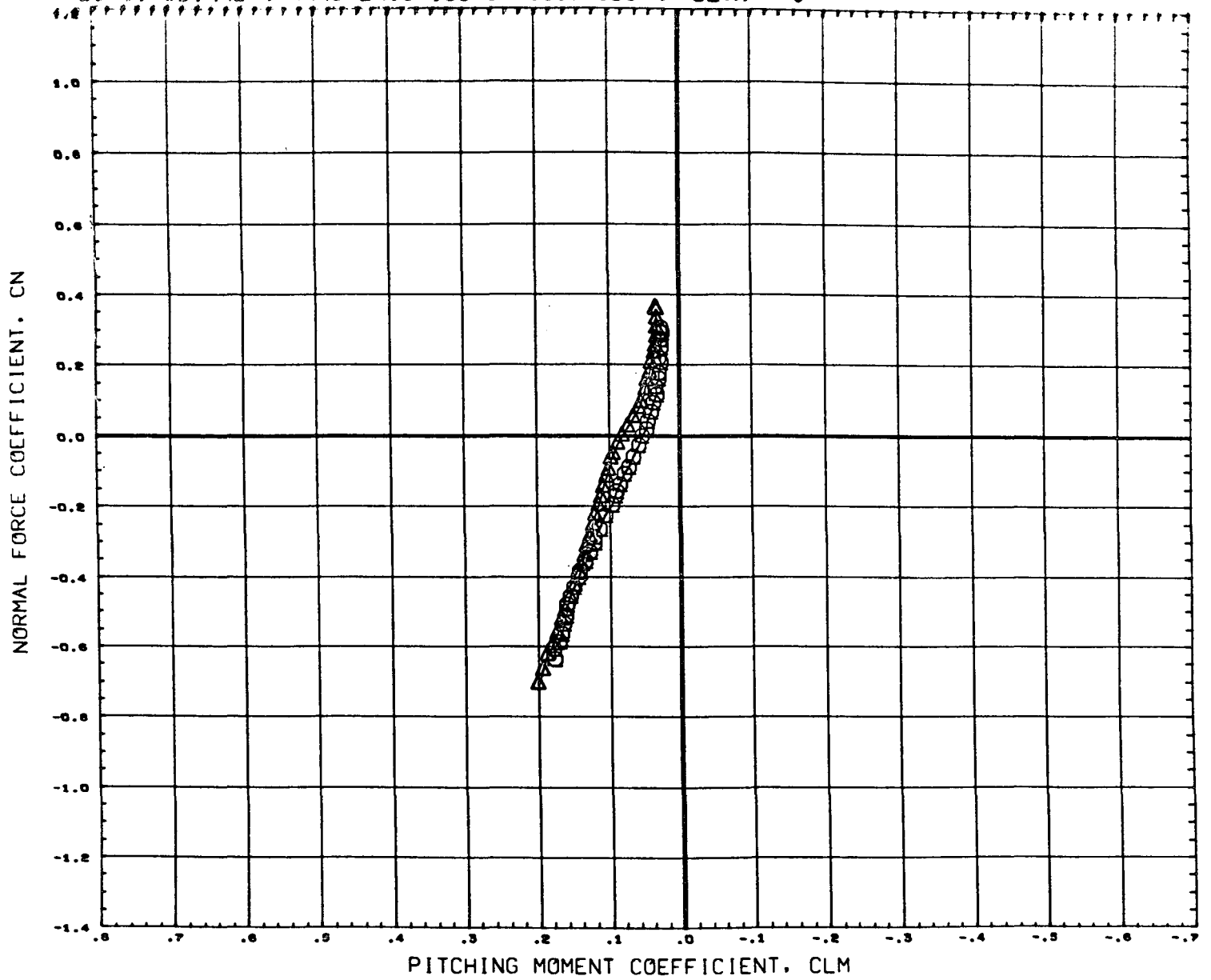
REFERENCE INFORMATION		
SREF	3155.3040	SQ. FT.
LREF	609.5004	IN.
BREF	862.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE

DATA HIST. CODE TV

MDAC S-222 COMPOSITE(T-CG) (01)T1B6

(CD74C1) 12 SEP 72 PAGE 843

# LONGITUDINAL CHARACTERISTICS OF (01)T1B6 AT BETA = 0



SYMBOL	MACH	PARAMETRIC VALUES			
○	0.979	BETA	0.000	AILRON	0.000
△	1.507	ELEVTR	0.000	RUDDER	0.000

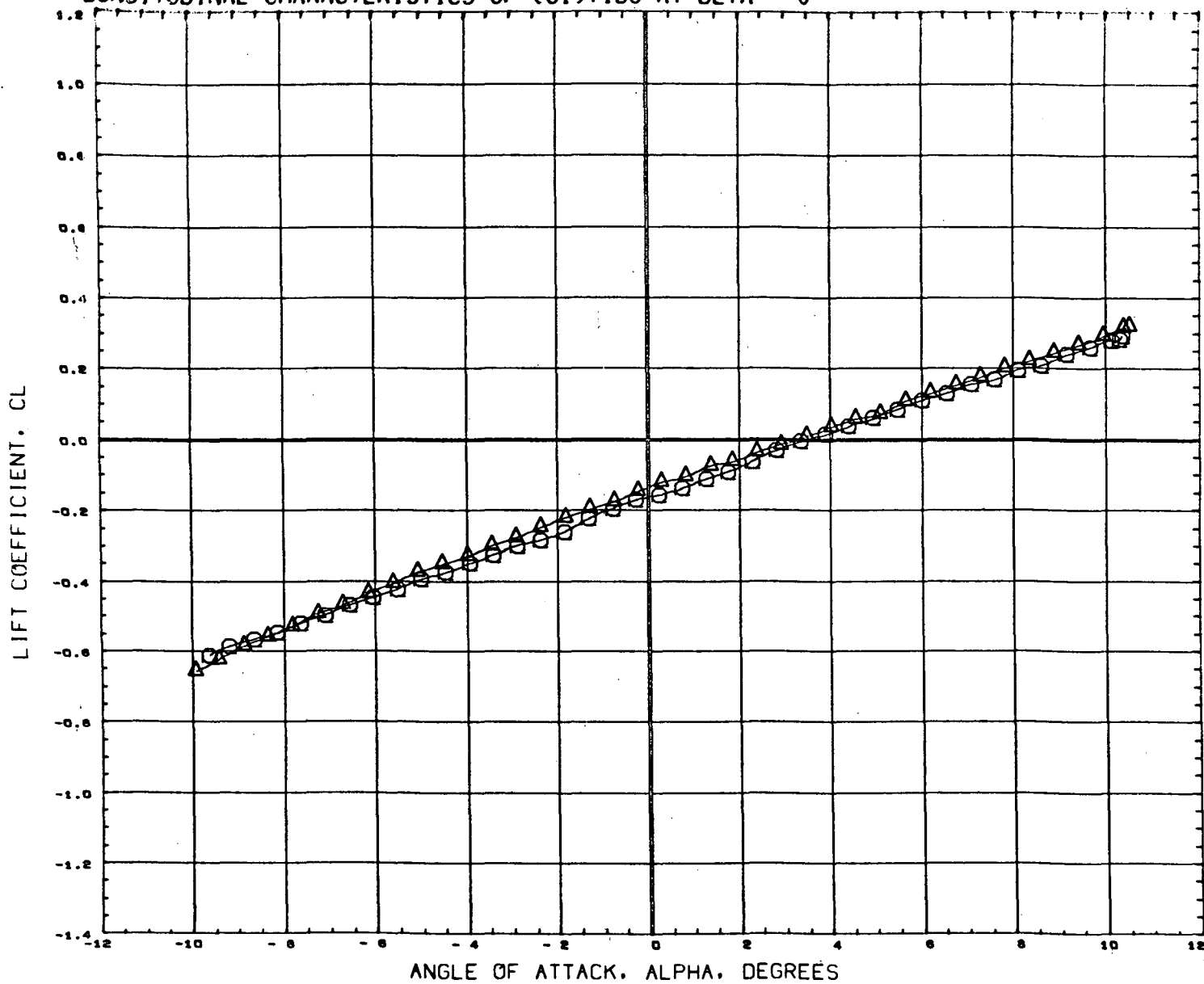
REFERENCE INFORMATION		
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YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE

DATA HIST. CODE TV

MDAC S-222 COMPOSITE(T-CG) (01)T1B6

(CD74C1) 12 SEP 72 PAGE 844

# LONGITUDINAL CHARACTERISTICS OF (01)T1B6 AT BETA = 0



SYMBOL	MACH	PARAMETRIC VALUES			
○	0.979	BETA	0.000	AILRON	0.000
△	1.507	ELEVTR	0.000	RUDDER	0.000

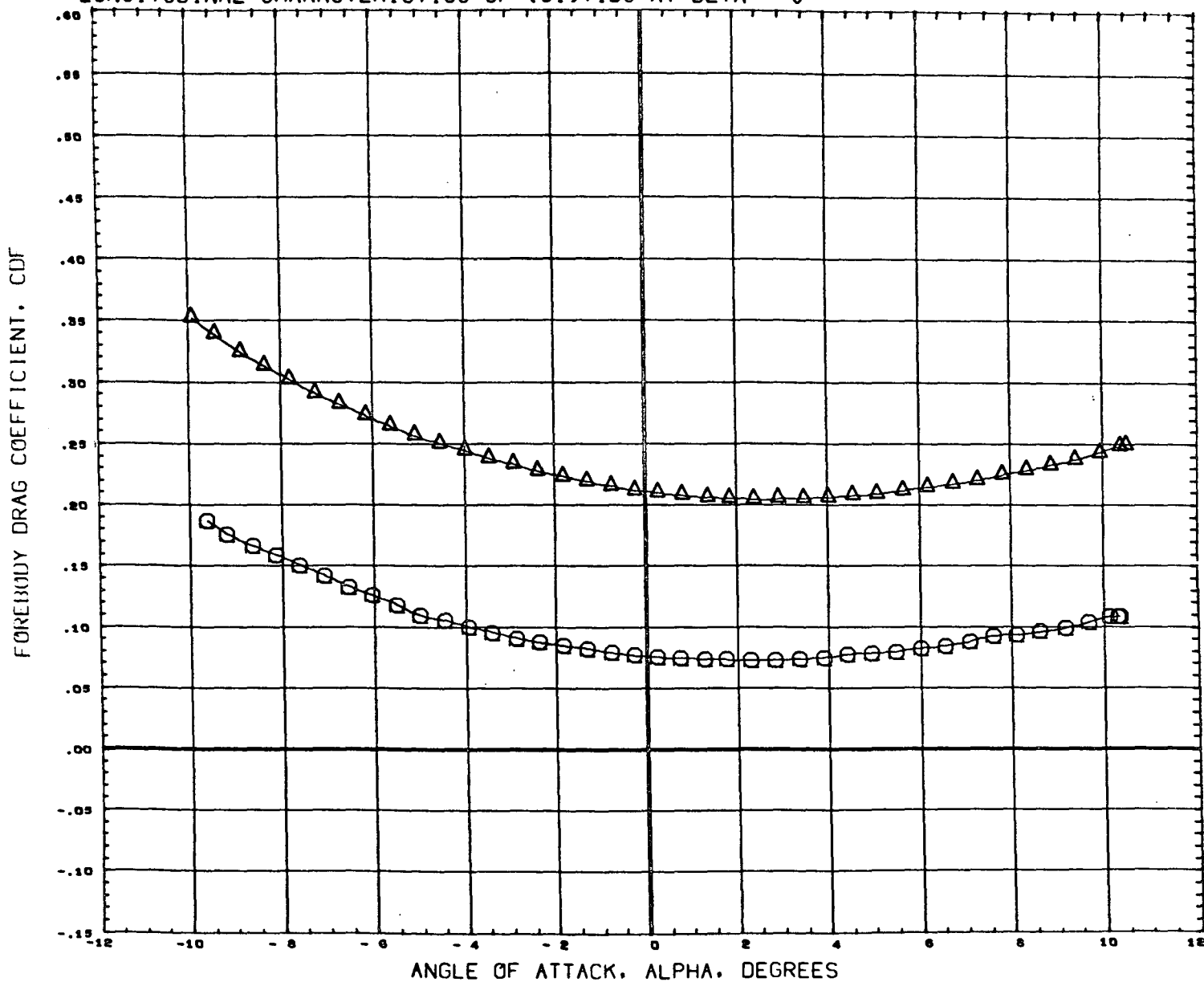
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YMRF	0.0000	IN.
ZMRF	200.0004	IN.
SCALE	0.0060	SCALE

DATA HIST. CODE TV

MDAC S-222 COMPOSITE(T-CG) (01)T1B6

(CD74C1) 12 SEP 72 PAGE 845

# LONGITUDINAL CHARACTERISTICS OF (01)T1B6 AT BETA = 0



SYMBOL	MACH	PARAMETRIC VALUES			
○	0.579	BETA	0.000	AILRON	0.000
△	1.507	ELEVTR	0.000	RUDDER	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	662.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE

DATA HIST. CODE TV

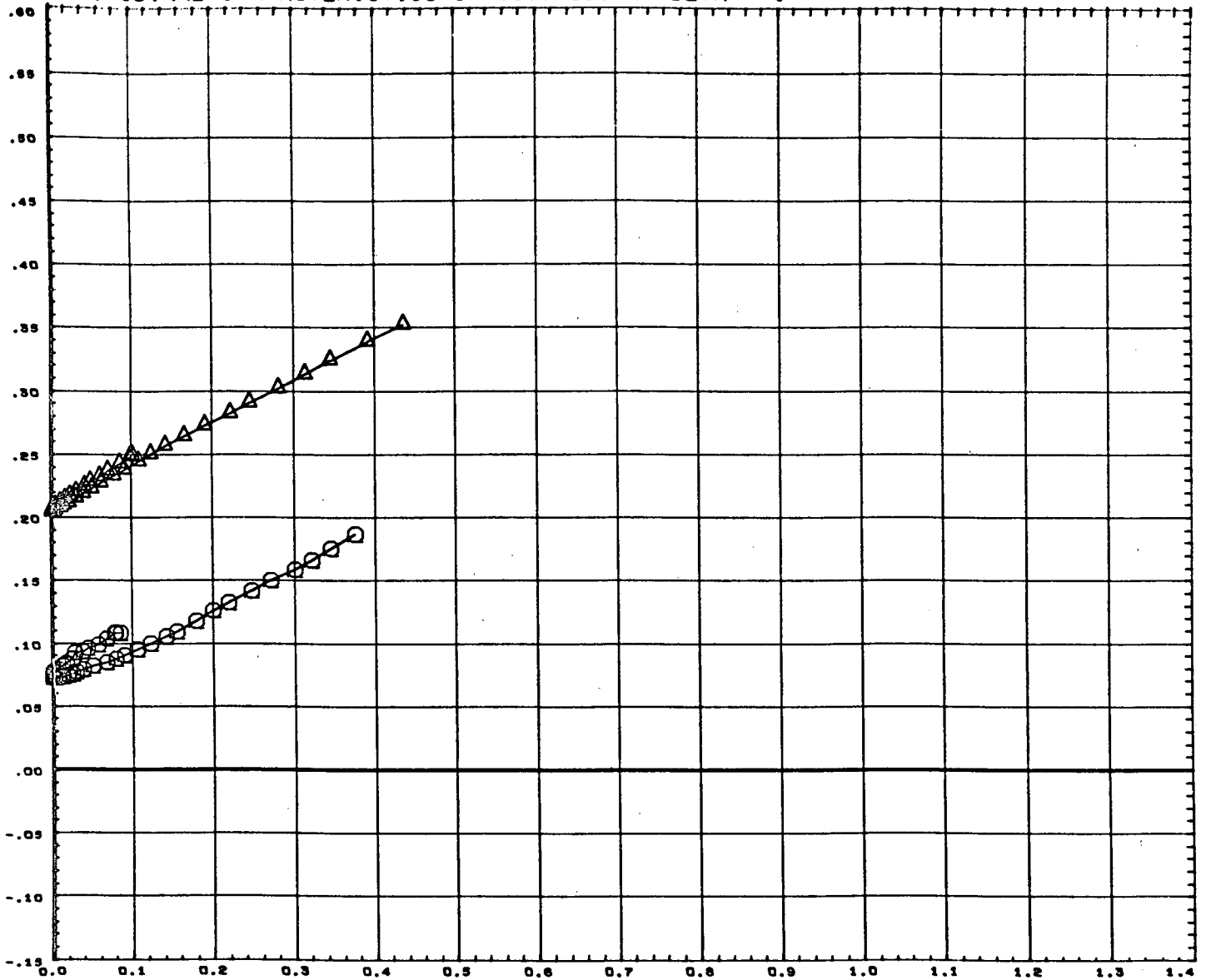
MDAC S-222 COMPOSITE(T-CG) (01)T1B6

(CD74C1) 12 SEP 72 PAGE 846



# LONGITUDINAL CHARACTERISTICS OF (01)T1B6 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQR

SYMBOL	MACH	PARAMETRIC VALUES			
○	0.579	BETA	0.000	AILRON	0.000
△	1.507	ELEVTR	0.000	RUDDER	0.000

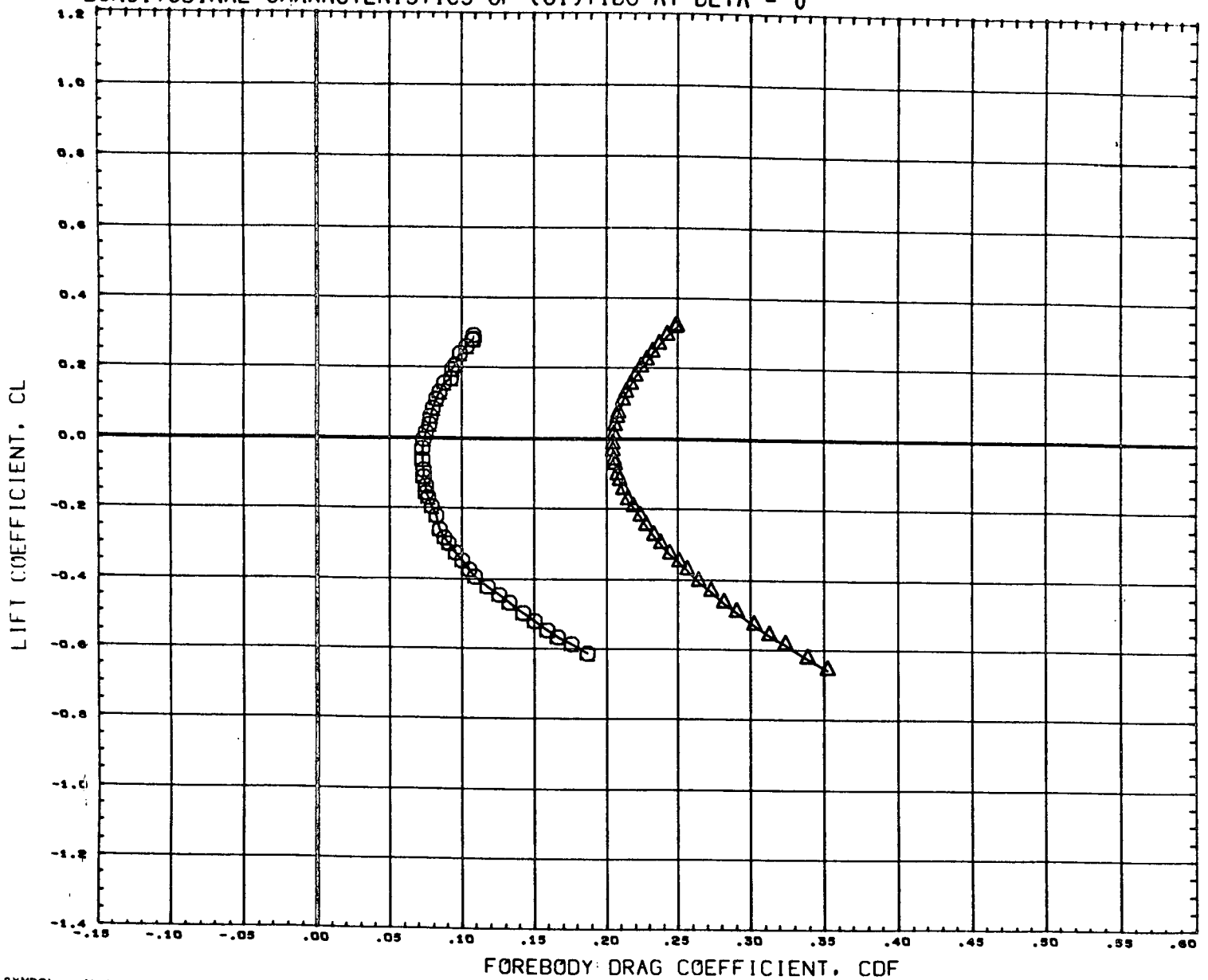
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BREF	662.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE

DATA HIST. CODE TV

MDAC S-222 COMPOSITE(T-CG) (01)T1B6

(CD74C1) 12 SEP 72 PAGE 847

# LONGITUDINAL CHARACTERISTICS OF (01)T1B6 AT BETA = 0



SYMBOL	MACH	PARAMETRIC VALUES			
○	0.979	BETA	0.000	AILRON	0.000
△	1.507	ELEVTR	0.000	RUDDER	0.000

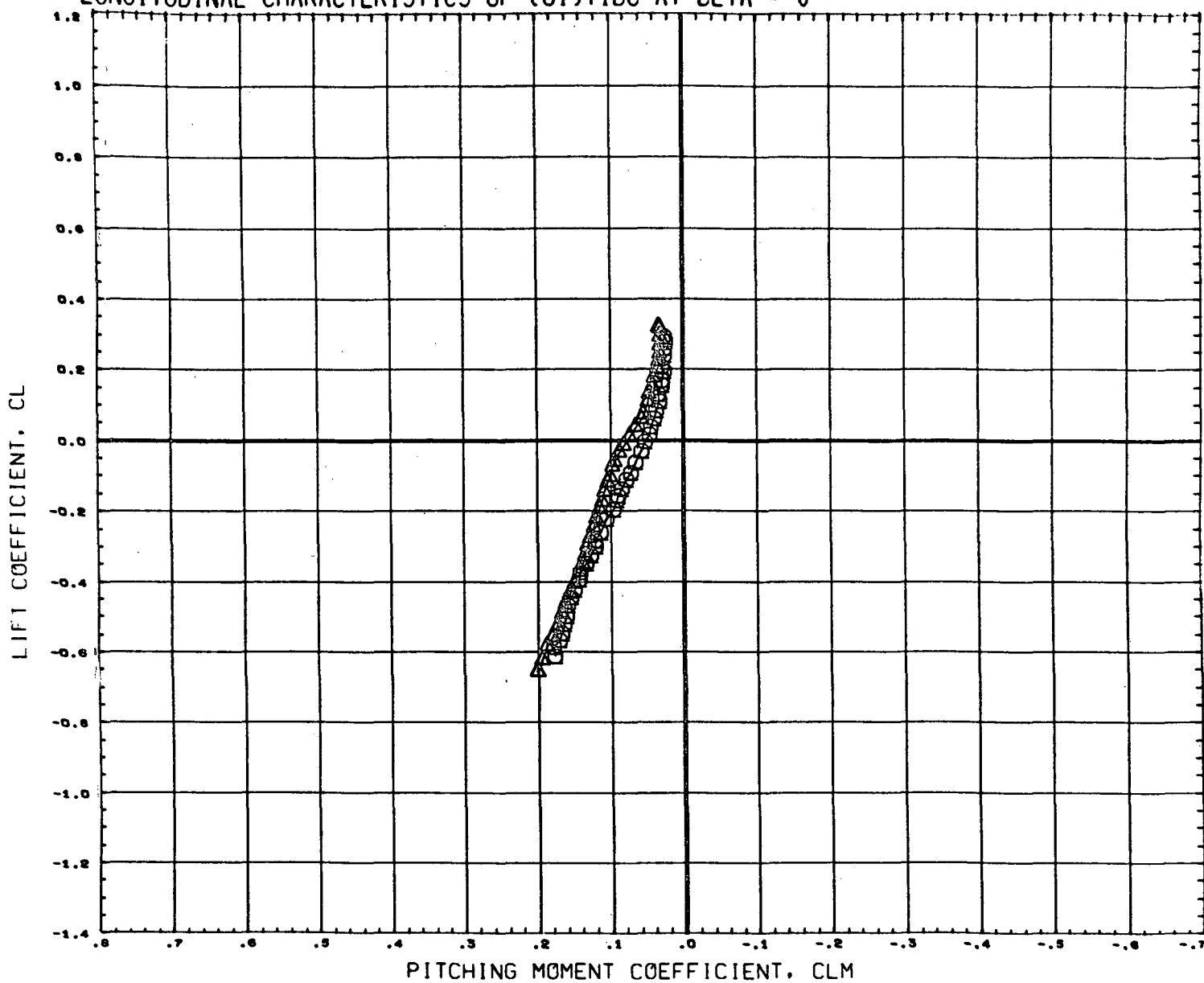
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YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE

DATA HIST. CODE TV

MDAC S-222 COMPOSITE(T-CG) (01)T1B6

(CD74C1) 12 SEP 72 PAGE 848

# LONGITUDINAL CHARACTERISTICS OF (01)T1B6 AT BETA = 0



SYMBOL	MACH	BETA	PARAMETRIC VALUES	
○	0.979	0.000	AILRON	0.000
△	1.507	0.000	RUDDER	0.000

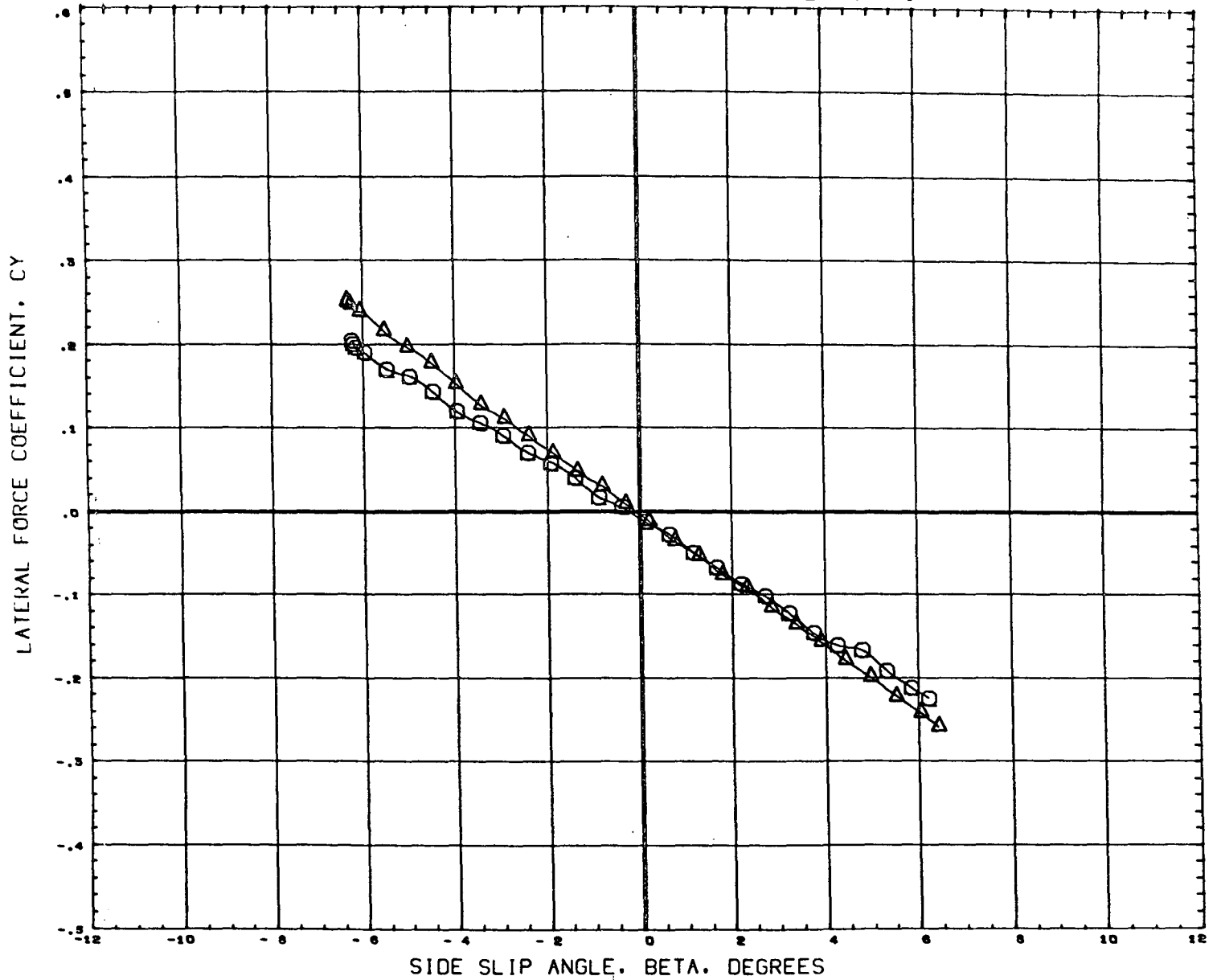
REFERENCE INFORMATION		
SREF	3135.3040	SQ.FT.
LREF	609.3004	IN.
BREF	882.0004	IN.
XMRP	957.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE

DATA HIST. CODE TV

MDAC S-222 COMPOSITE(T-CG) (01)T1B6

(CD74C1) 12 SEP 72 PAGE 849

# LATERAL-DIRECTIONAL CHARACTERISTICS OF (01)T1B6 AT ALPHA = 0



SYMBOL	MACH	ALPHA	PARAMETRIC VALUES		
○	0.979	0.000	AILRON	0.000	
△	1.507	0.000	RUDDER	0.000	

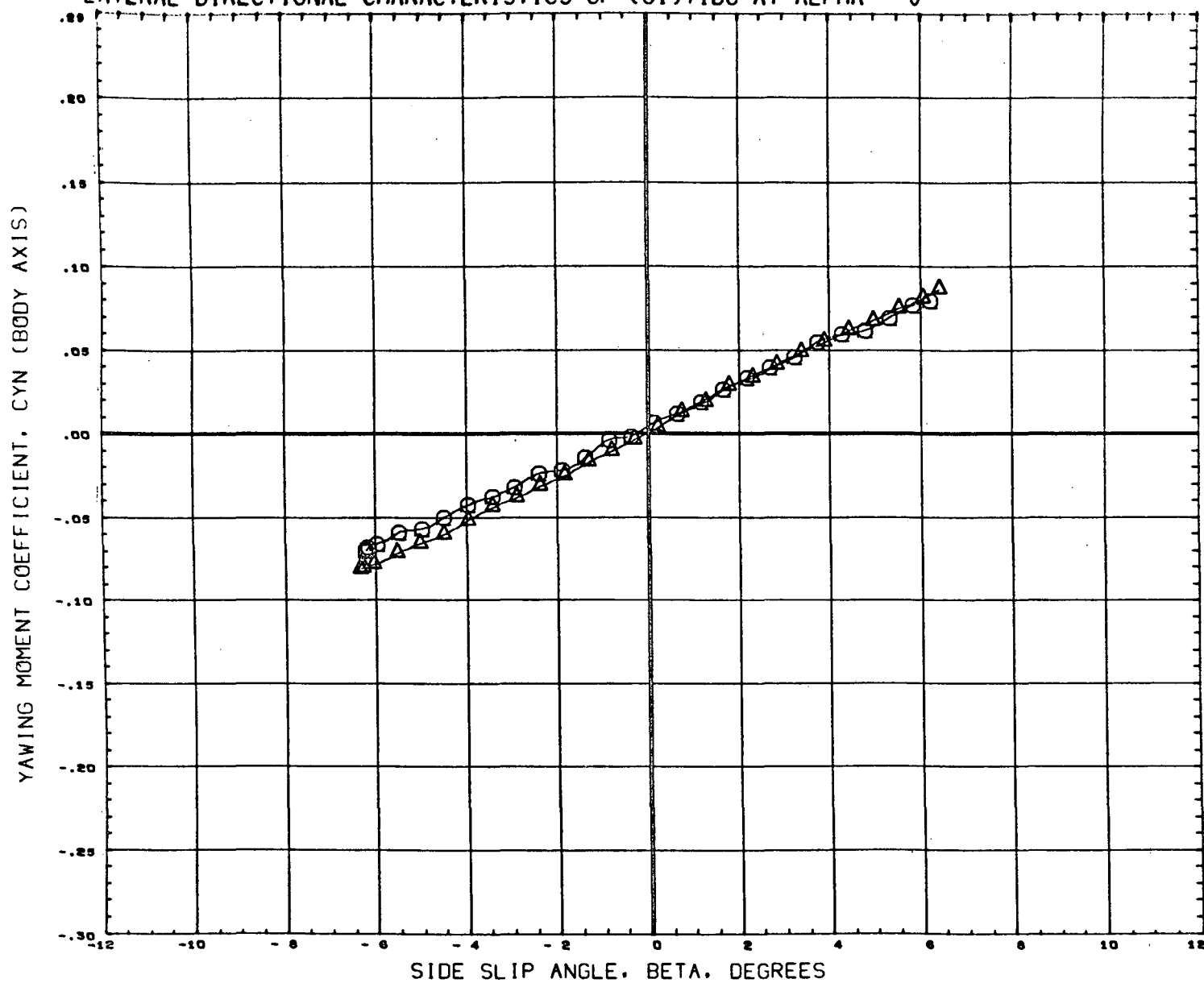
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BREF	882.0004	IN.
XMRP	537.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE

REFERENCE FILE

MDAC S-222 COMPOSITE(T-CG) (01)T1B6

(RD74C2) 25 APR 72 PAGE 850

# LATERAL-DIRECTIONAL CHARACTERISTICS OF (01)T1B6 AT ALPHA = 0



SYMBOL	MACH	PARAMETRIC VALUES			
○	0.979	ALPHA	0.000	AILRON	0.000
△	1.507	ELEVTR	0.000	RUDDER	0.000

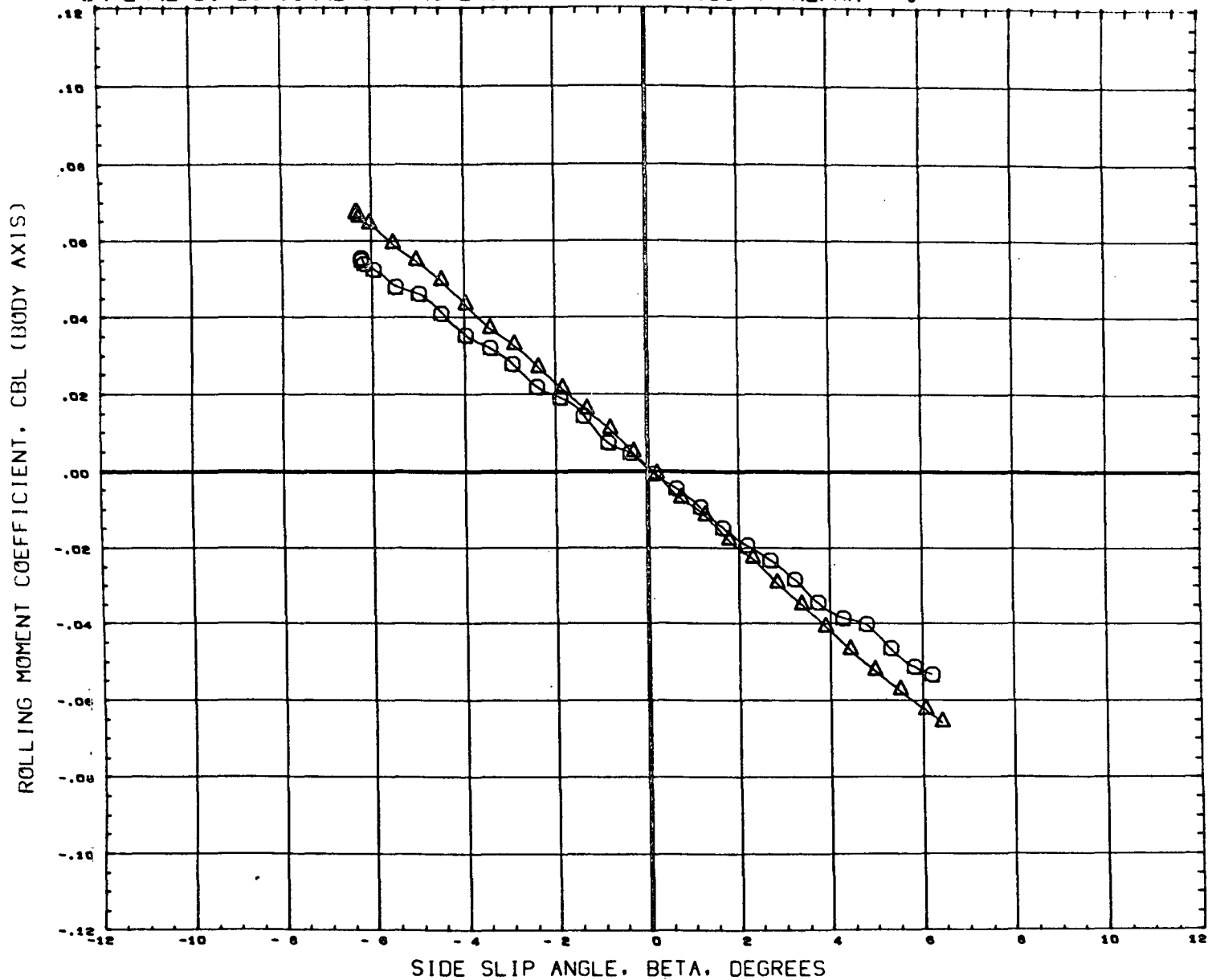
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BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE

REFERENCE FILE

MDAC S-222 COMPOSITE(T-CG) (01)T1B6

(RD74C2) 25 APR 72 PAGE 851

# LATERAL-DIRECTIONAL CHARACTERISTICS OF (01)T1B6 AT ALPHA = 0



SYMBOL	MACH	PARAMETRIC VALUES			
○	0.979	ALPHA	0.000	AILRON	0.000
△	1.507	ELEVTR	0.000	RUDDER	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	682.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE

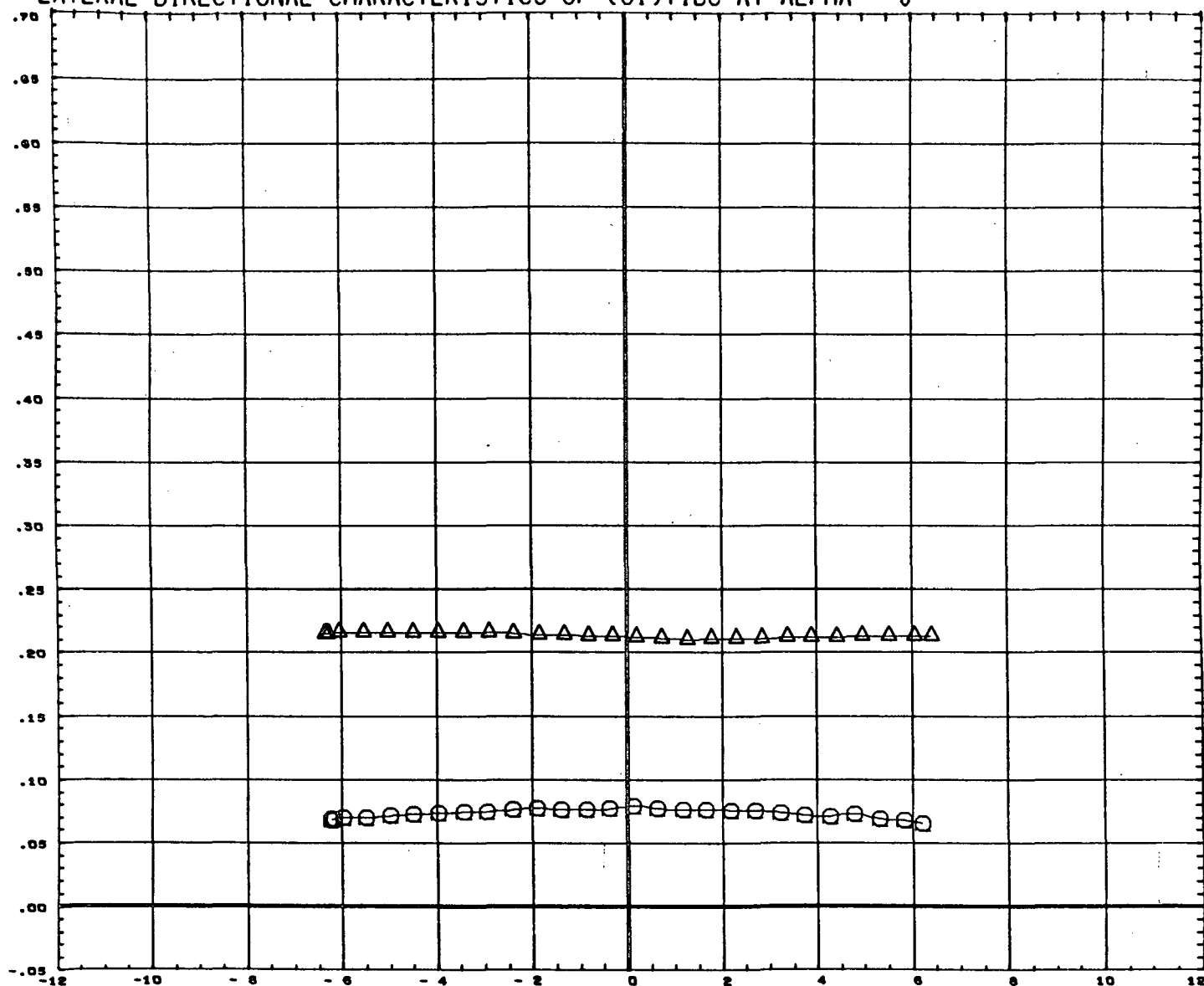
REFERENCE FILE

MDAC S-222 COMPOSITE(T-CG) (01)T1B6

(R074C2) 25 APR 72 PAGE 852

# LATERAL-DIRECTIONAL CHARACTERISTICS OF (01)T1B6 AT ALPHA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF



SIDE SLIP ANGLE, BETA, DEGREES

SYMBOL	MACH	PARAMETRIC VALUES			
○	0.579	ALPHA	0.000	AILRON	0.000
△	1.507	ELEVTR	0.000	RUDDER	0.000

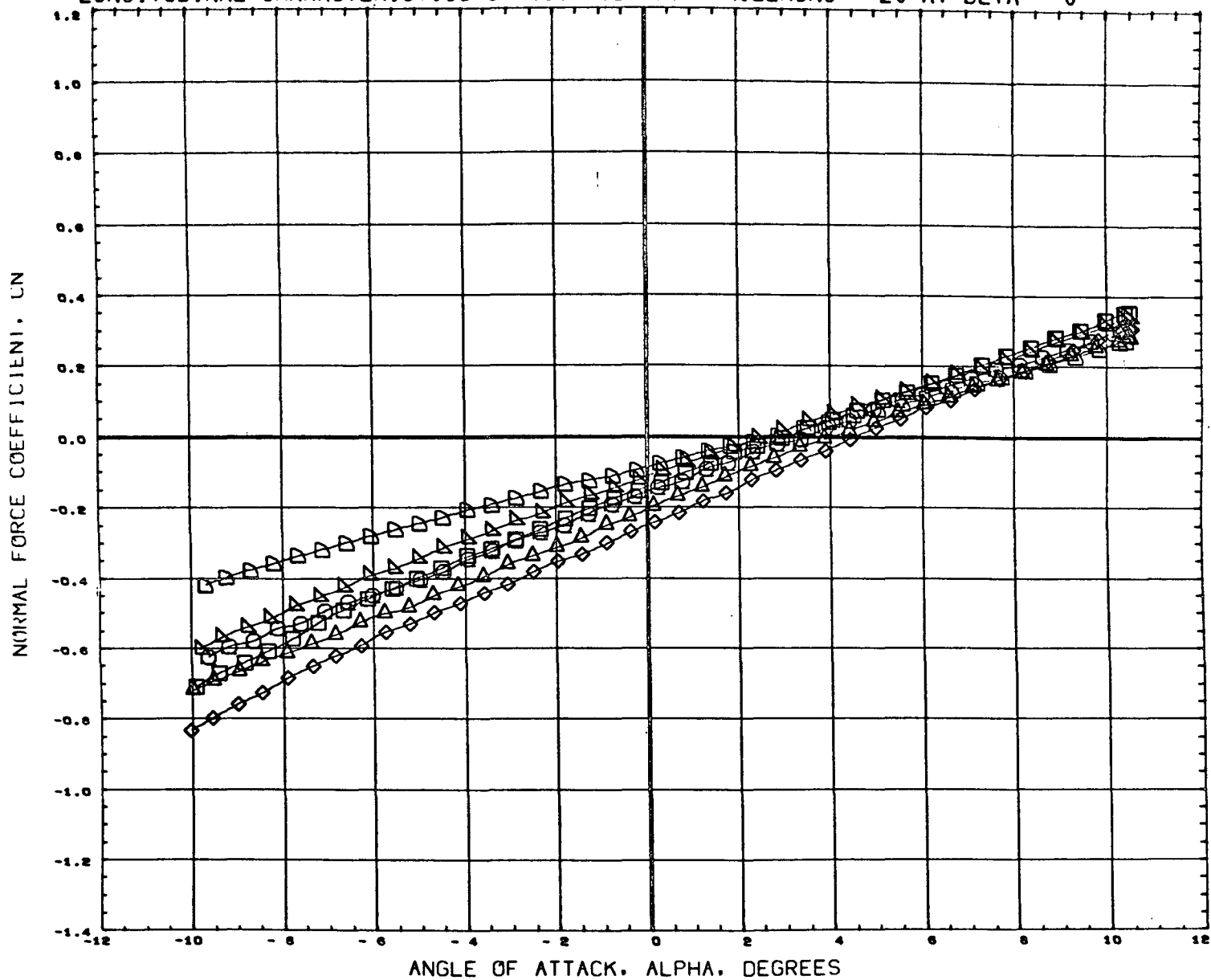
REFERENCE INFORMATION		
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BREF	862.0004	IN.
XMRP	537.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE

REFERENCE FILE

MDAC S-222 COMPOSITE(T-CG) (01)T1B6

(RD74C2) 25 APR 72 PAGE 853

# LONGITUDINAL CHARACTERISTICS OF (01)T1B6 WITH AILERONS = 20 AT BETA = 0

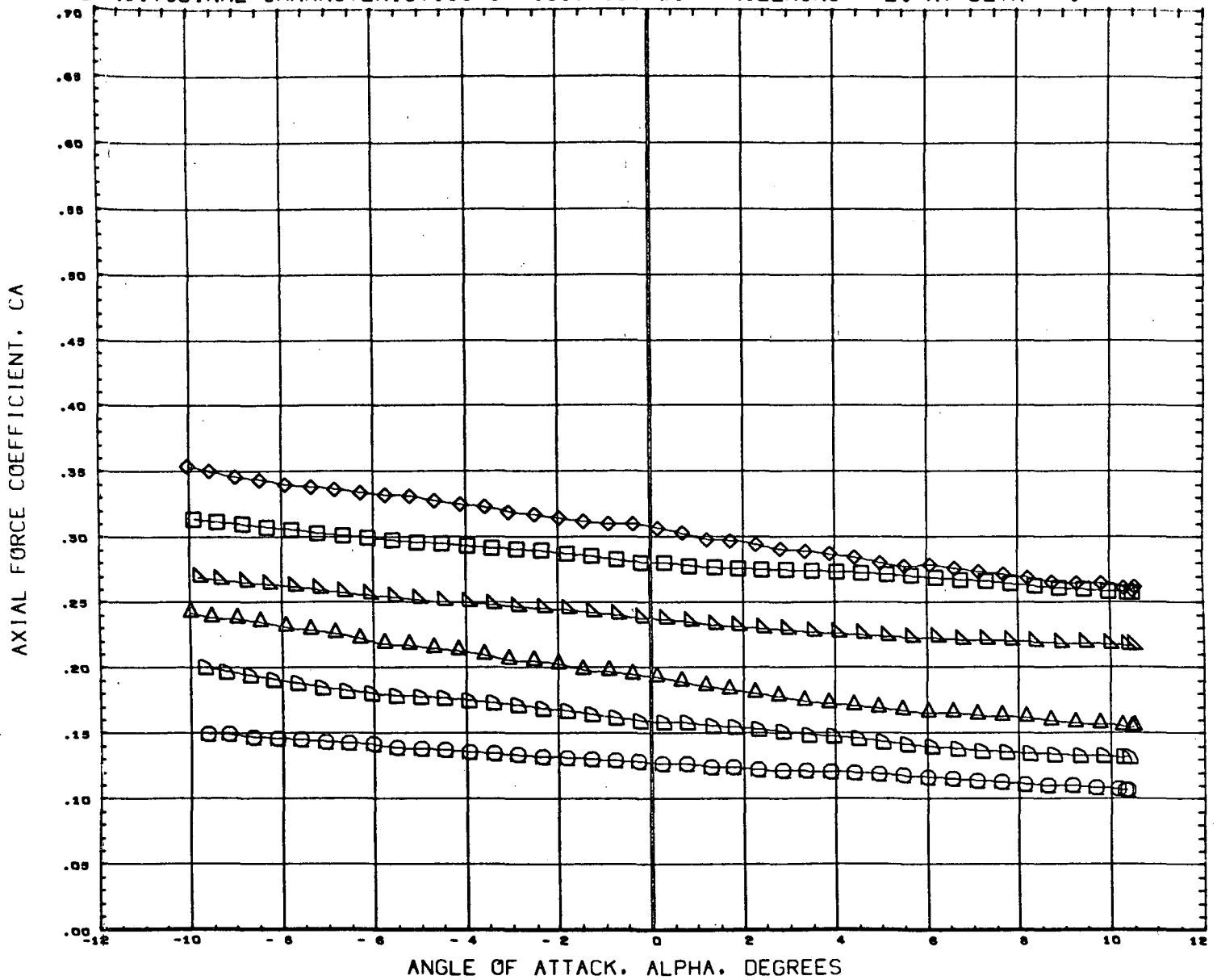


SYMBOL	MACH	PARAMETRIC VALUES			
○	0.577	BETA	0.000	AILRON	20.000
◇	0.691	ELEVTR	0.000	RUDDER	0.000
□	1.090				
△	1.507				
◇	2.203				
◇	4.469	DATA HIST. CODE	TV		

REFERENCE INFORMATION		
SREF	3155.3040	SQ. FT.
LREF	609.5004	IN.
BREF	862.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE



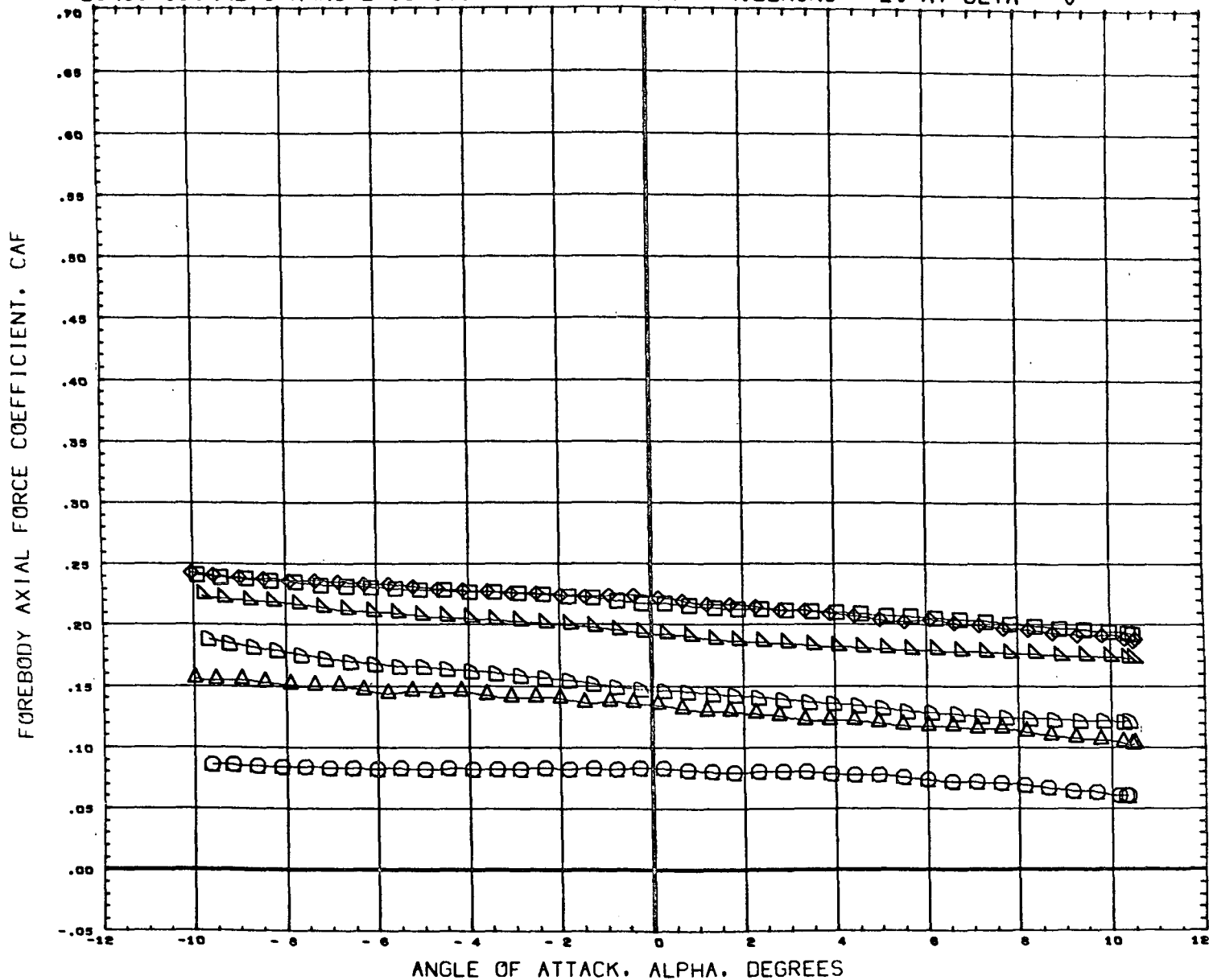
# LONGITUDINAL CHARACTERISTICS OF (01)T1B6 WITH AILERONS = 20 AT BETA = 0



SYMBOL	MACH	PARAMETRIC VALUES			
◇	0.577	BETA	0.000	AILRON	20.000
△	0.691	ELEVTR	0.000	RUDDER	0.000
□	1.090				
◇	1.507				
△	2.203				
□	4.469	DATA HIST. CODE	TV		

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	662.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE

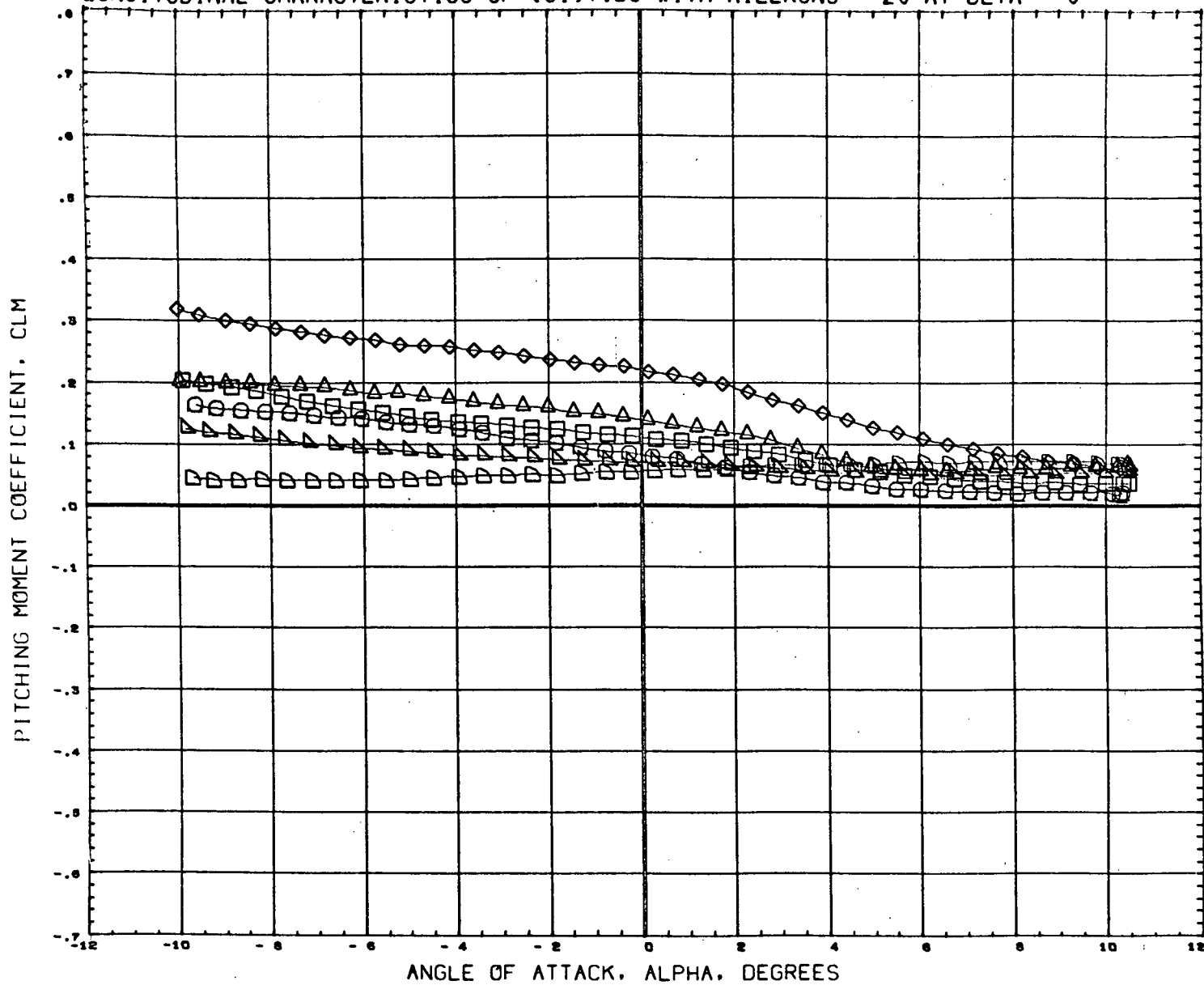
# LONGITUDINAL CHARACTERISTICS OF (01)T1B6 WITH AILERONS = 20 AT BETA = 0



SYMBOL	MACH	PARAMETRIC VALUES			
◇	0.577	BETA	0.000	AILRON	20.000
◇	0.891	ELEVTR	0.000	RUDDER	0.000
◇	1.090				
◇	1.907				
◇	2.203				
◇	4.469	DATA HIST. CODE	TV		

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE

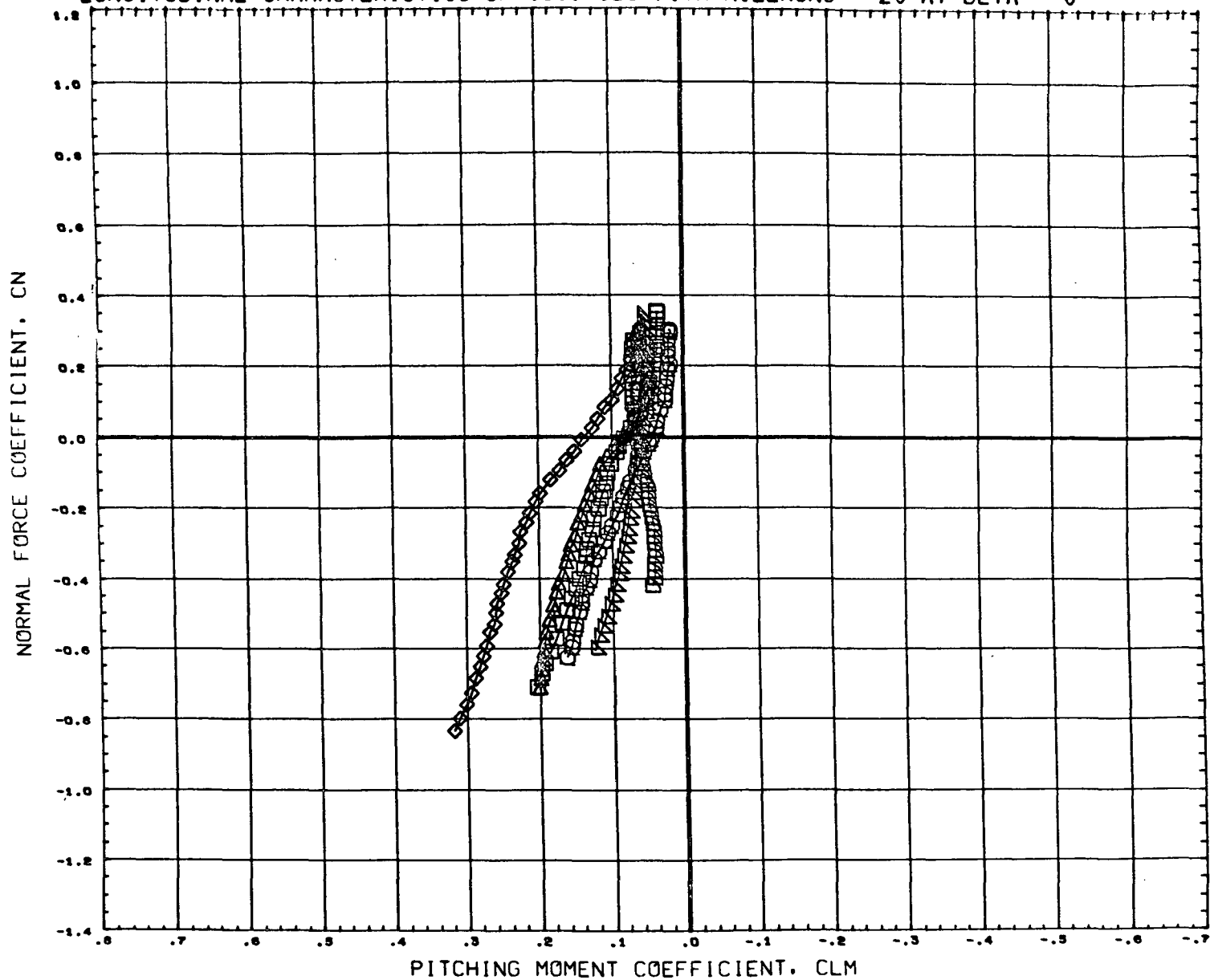
# LONGITUDINAL CHARACTERISTICS OF (01)T1B6 WITH AILERONS = 20 AT BETA = 0



SYMBOL	MACH	PARAMETRIC VALUES			
◇	0.977	BETA	0.000	AILRON	20.000
△	0.891	ELEVTR	0.000	RUDDER	0.000
□	1.090				
○	1.907				
▽	2.203				
◇	4.469	DATA HIST. CODE	TV		

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	662.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE

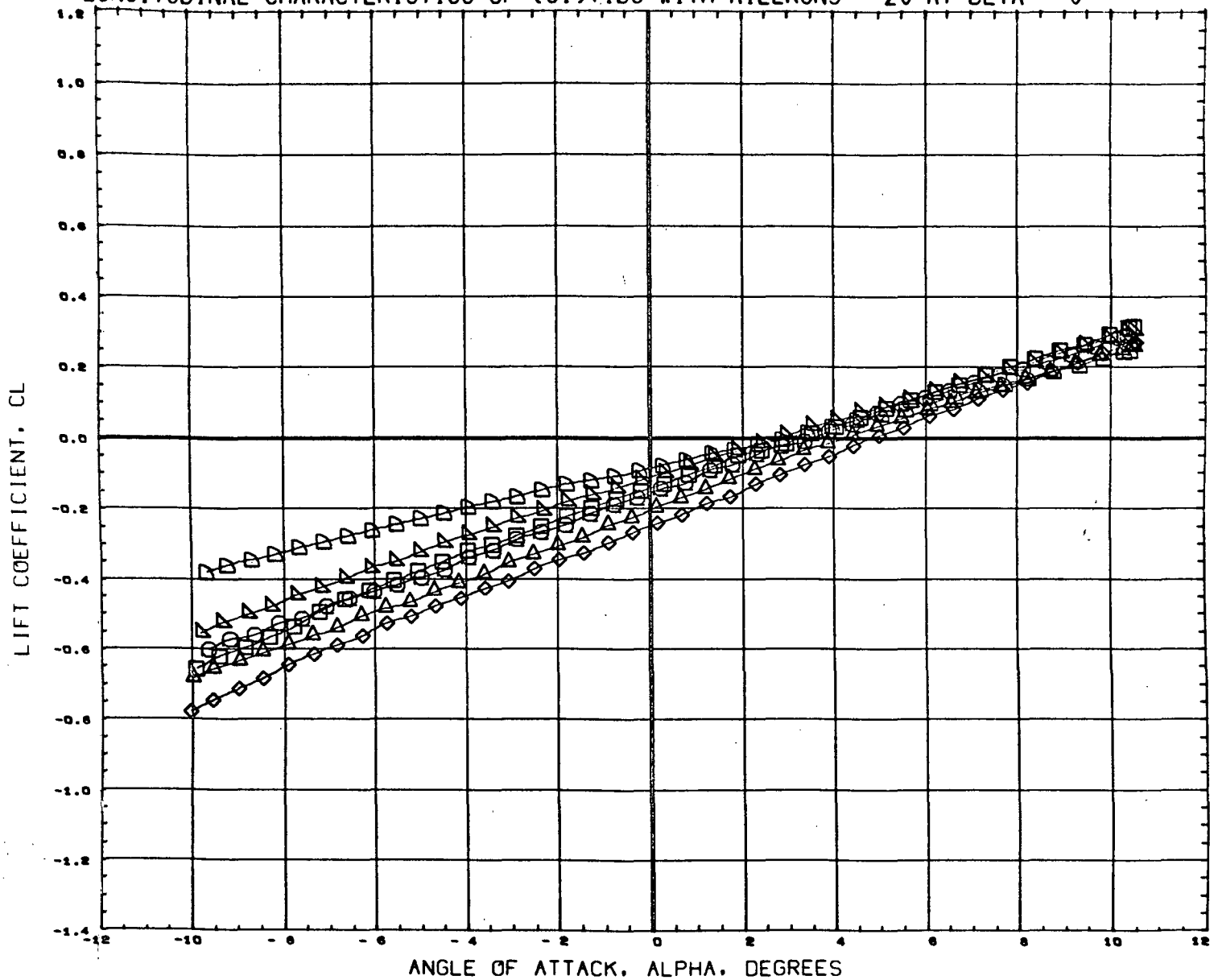
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SYMBOL	MACH	PARAMETRIC VALUES			
○	0.977	BETA	0.000	AILRON	20.000
◇	0.891	ELEVTR	0.000	RUDDER	0.000
△	1.090				
□	1.907				
▽	2.203				
◇	4.469	DATA HIST. CODE	TV		

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.9004	IN.
BREF	662.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE

# LONGITUDINAL CHARACTERISTICS OF (01)T1B6 WITH AILERONS = 20 AT BETA = 0



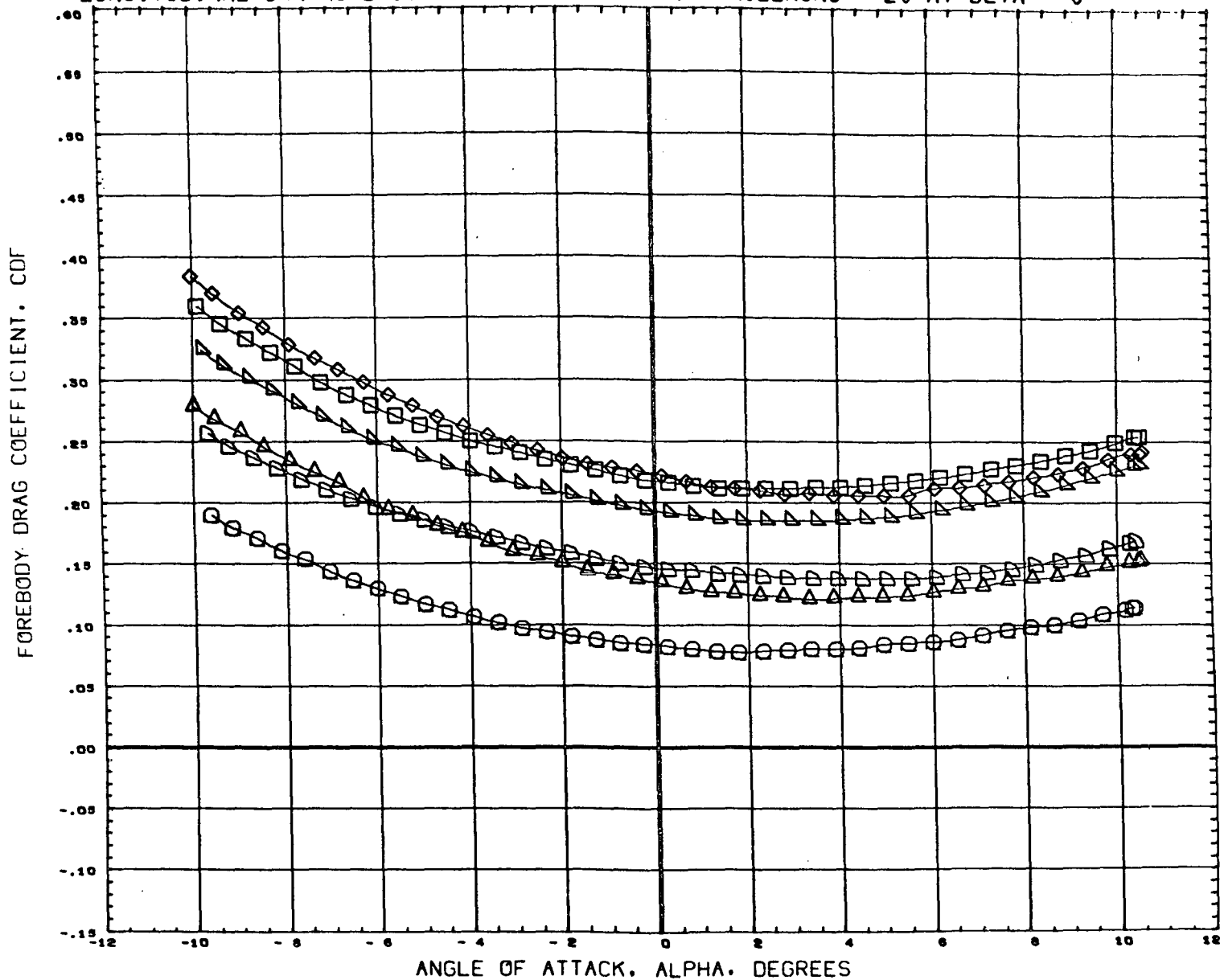
SYMBOL	MACH	PARAMETRIC VALUES			
○	0.577	BETA	0.000	AILRON	20.000
△	0.691	ELEVTR	0.000	RUDDER	0.000
◇	1.090				
□	1.507				
▽	2.203				
	4.469	DATA HIST. CODE	TV		

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.3004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE

MDAC S-222 COMPOSITE(T-CG) (01)T1B6

(CD74C3) 12 SEP 72 PAGE 859

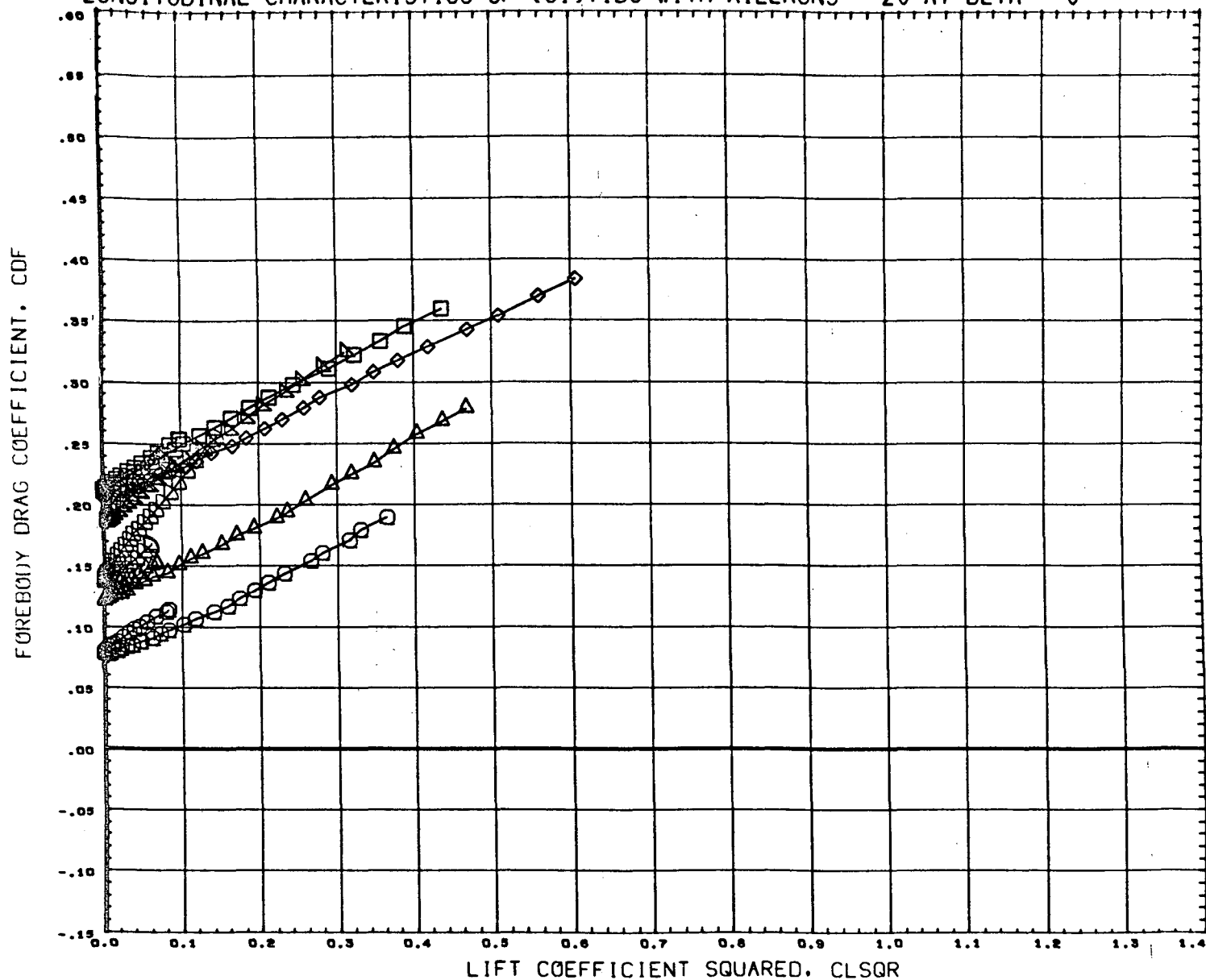
# LONGITUDINAL CHARACTERISTICS OF (01)T1B6 WITH AILERONS = 20 AT BETA = 0



SYMBOL	MACH	PARAMETRIC VALUES			
○	0.577	BETA	0.000	AILRON	20.000
△	0.891	ELEVTR	0.000	RUDDER	0.000
□	1.090				
◇	1.507				
×	2.203				
	4.469	DATA HIST. CODE	TV		

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
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XMRP	957.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE

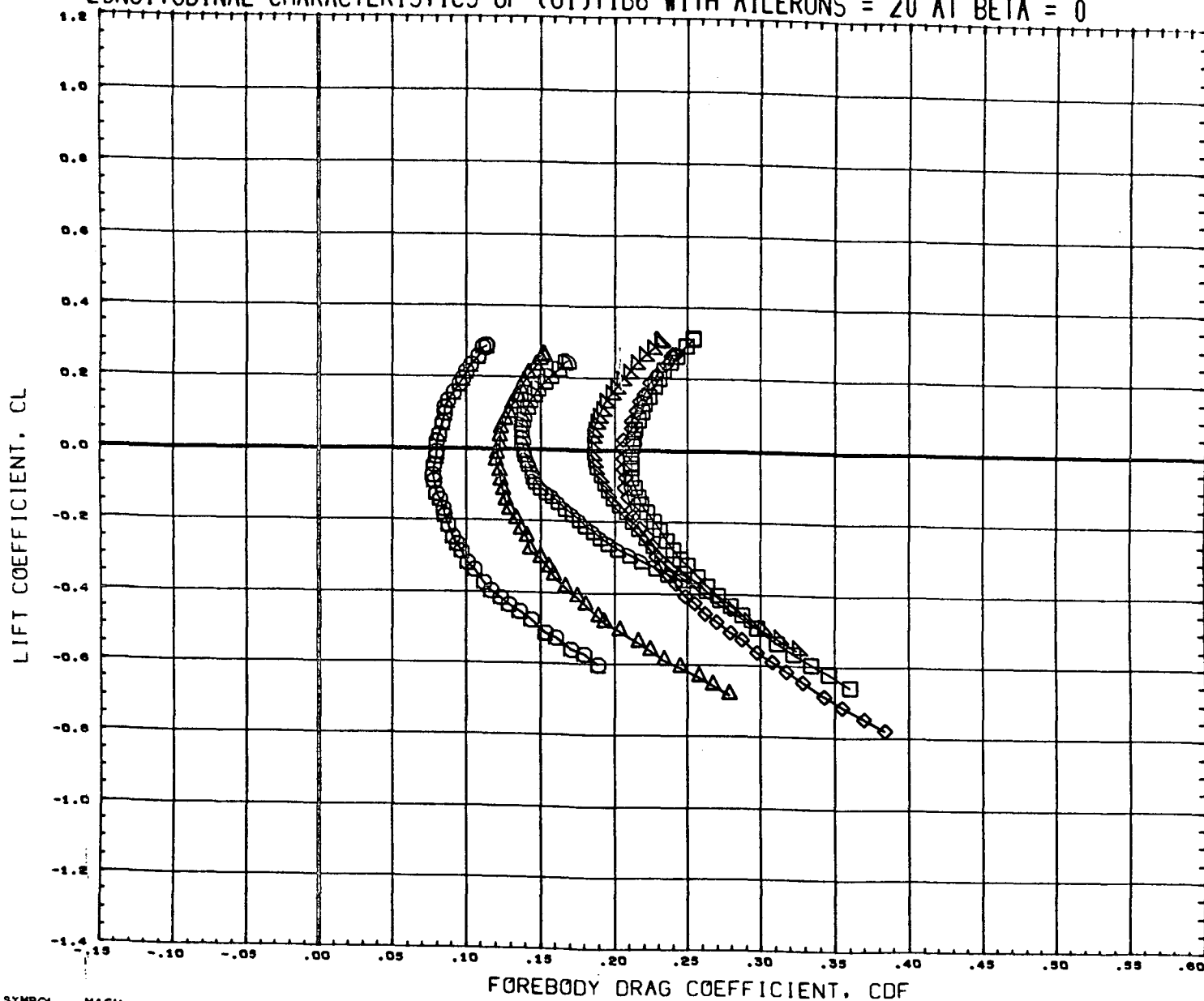
# LONGITUDINAL CHARACTERISTICS OF (01)T1B6 WITH AILERONS = 20 AT BETA = 0



SYMBOL	MACH	PARAMETRIC VALUES			
○	0.577	BETA	0.000	AILRON	20.000
△	0.691	ELEVTR	0.000	RUDDER	0.000
□	1.090				
◇	1.907				
●	2.203				
■	4.469	DATA HIST. CODE	TV		

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	662.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE

# LONGITUDINAL CHARACTERISTICS OF (01)T1B6 WITHAILERONS = 20 AT BETA = 0



SYMBOL	MACH	PARAMETRIC VALUES			
○	0.977	BETA	0.000	AILRON	20.000
◇	0.991	ELEVTR	0.000	RUDDER	0.000
□	1.090				
△	1.307				
	2.203				
	4.469	DATA HIST. CODE	TV		

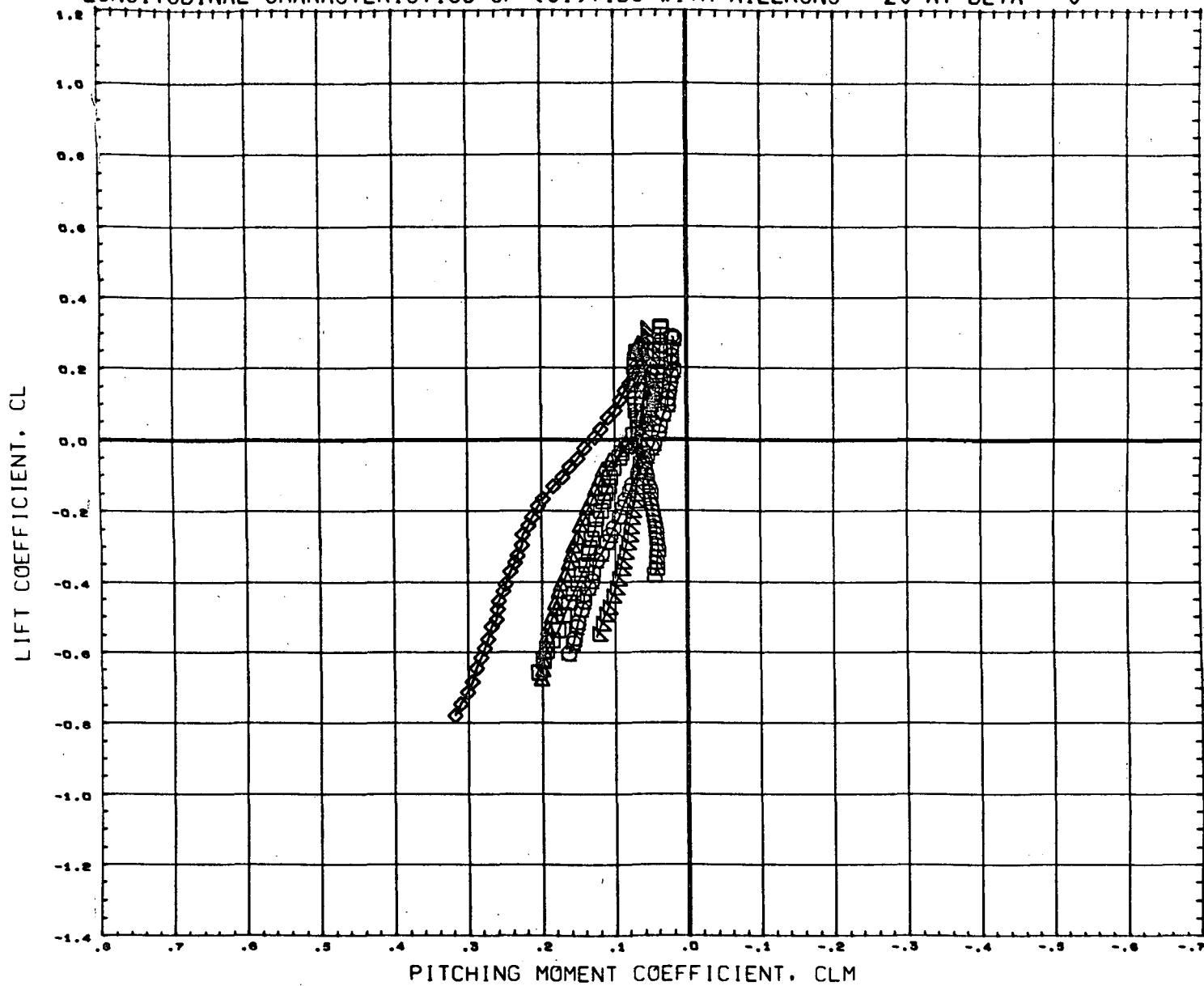
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BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE

MDAC S-222 COMPOSITE(T-CG) (01)T1B6

(CD74C3) 12 SEP 72 PAGE 862



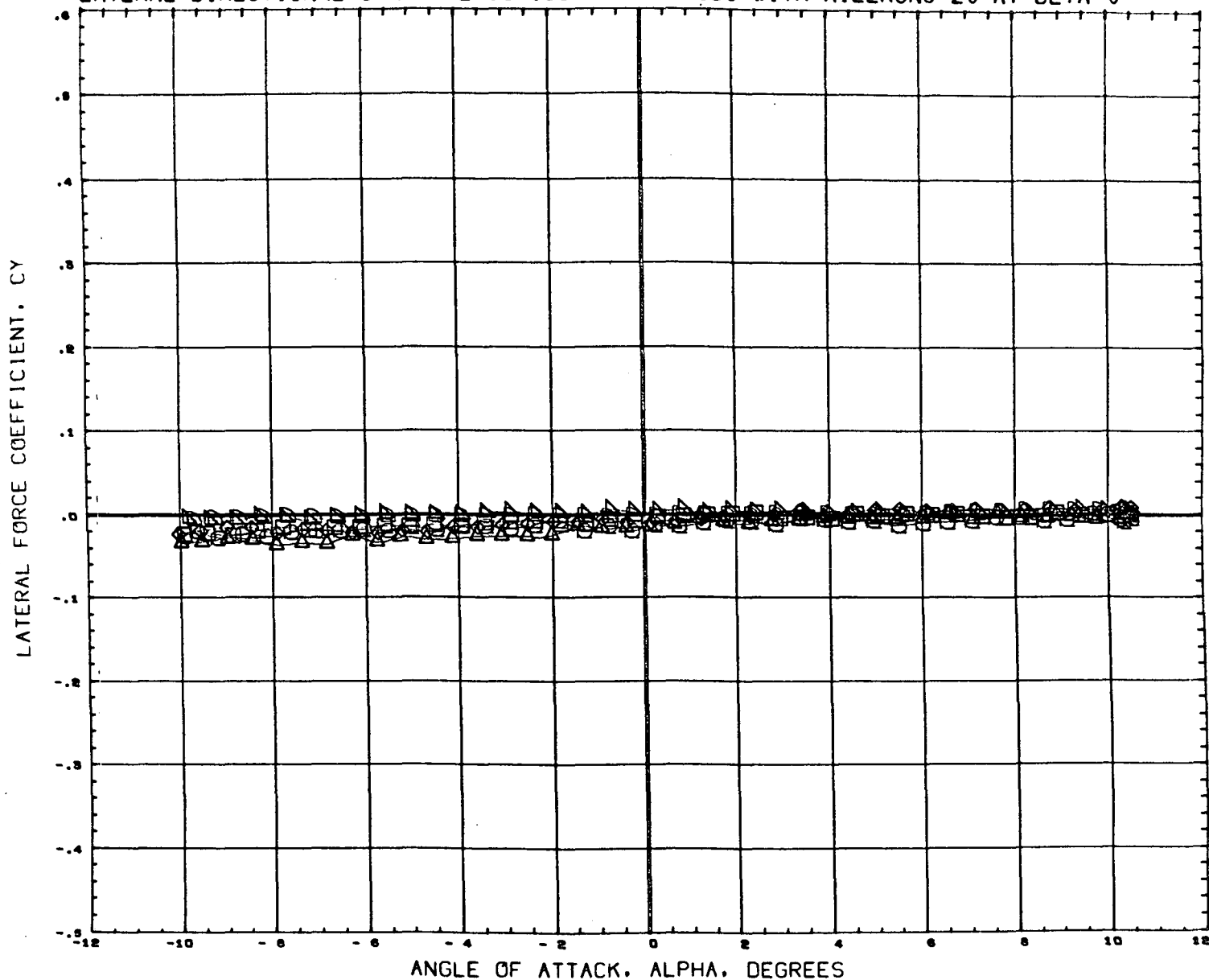
# LONGITUDINAL CHARACTERISTICS OF (01)T1B6 WITH AILERONS = 20 AT BETA = 0



SYMBOL	MACH	PARAMETRIC VALUES			
○	0.977	BETA	0.000	AILRON	20.000
◇	0.991	ELEVTR	0.000	RUDDER	0.000
◇	1.090				
□	1.507				
△	2.203				
▽	4.469	DATA HIST. CODE	TV		

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.9004	IN.
BREF	662.0004	IN.
XMRP	337.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE

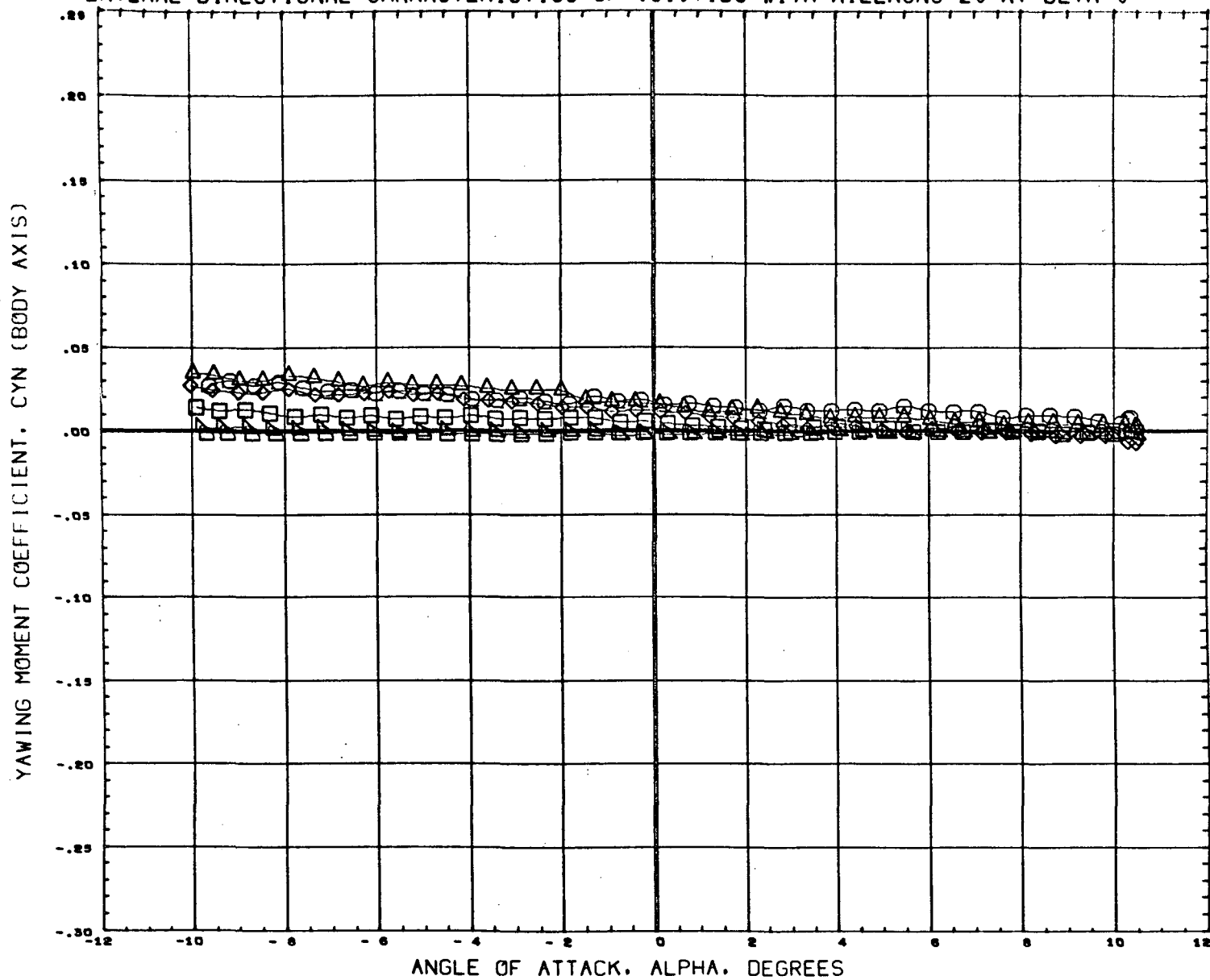
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SYMBOL	MACH	PARAMETRIC VALUES			
○	0.577	BETA	0.000	AILRON	20.000
△	0.891	ELEVTR	0.000	RUDDER	0.000
◇	1.090				
□	1.507				
▤	2.203				
▥	4.469	REFERENCE FILE			

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.3004	IN.
BREF	862.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE

# LATERAL-DIRECTIONAL CHARACTERISTICS OF (01)T1B6 WITH AILERONS=20 AT BETA=0



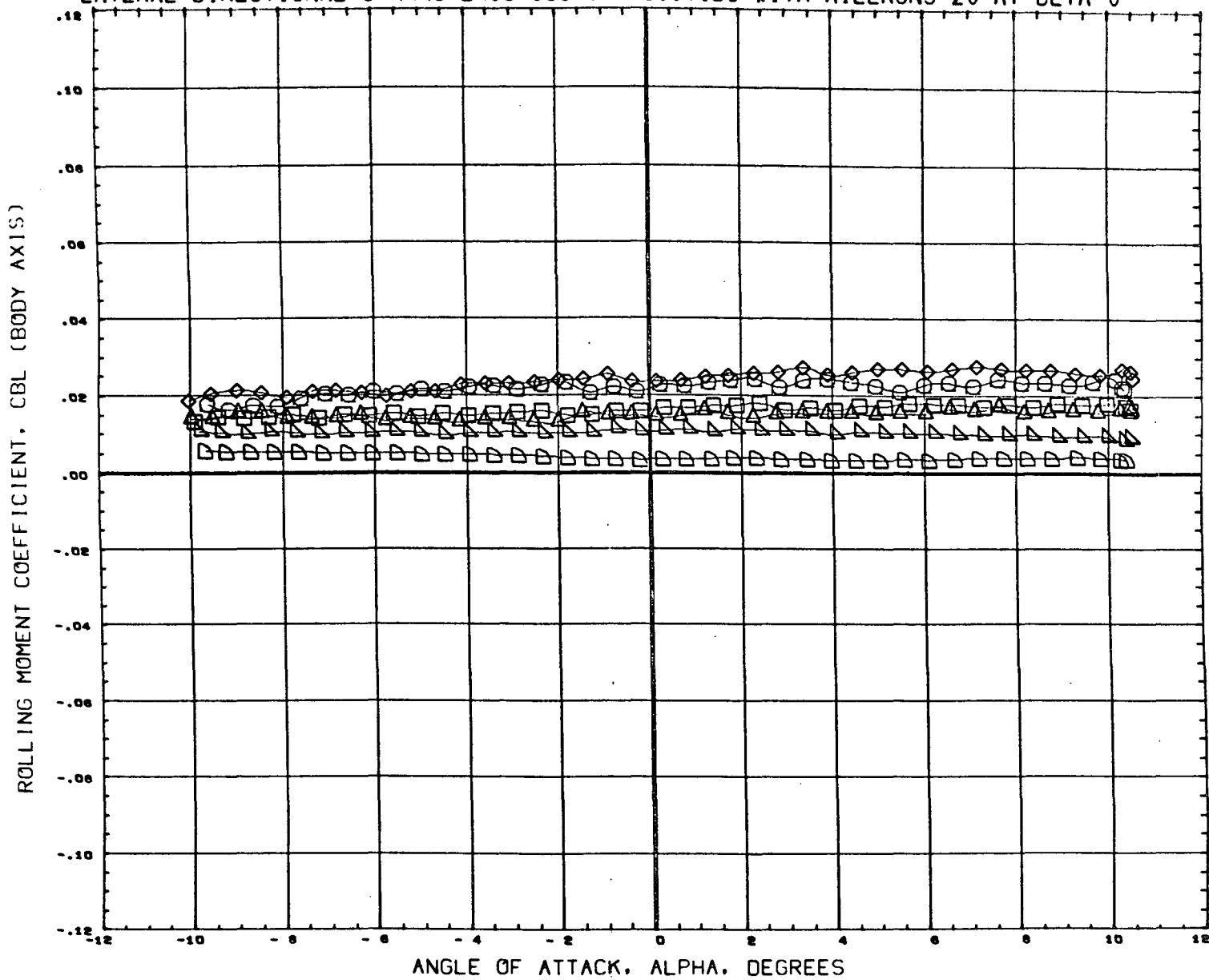
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△	0.691	ELEVTR	0.000	RUDDER	0.000
◇	1.090				
□	1.507				
▤	2.203				
▥	4.469	REFERENCE FILE			

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE

MDAC S-222 COMPOSITE(T-CG) (01)T1B6

(RD74C3) 25 APR 72 PAGE 865

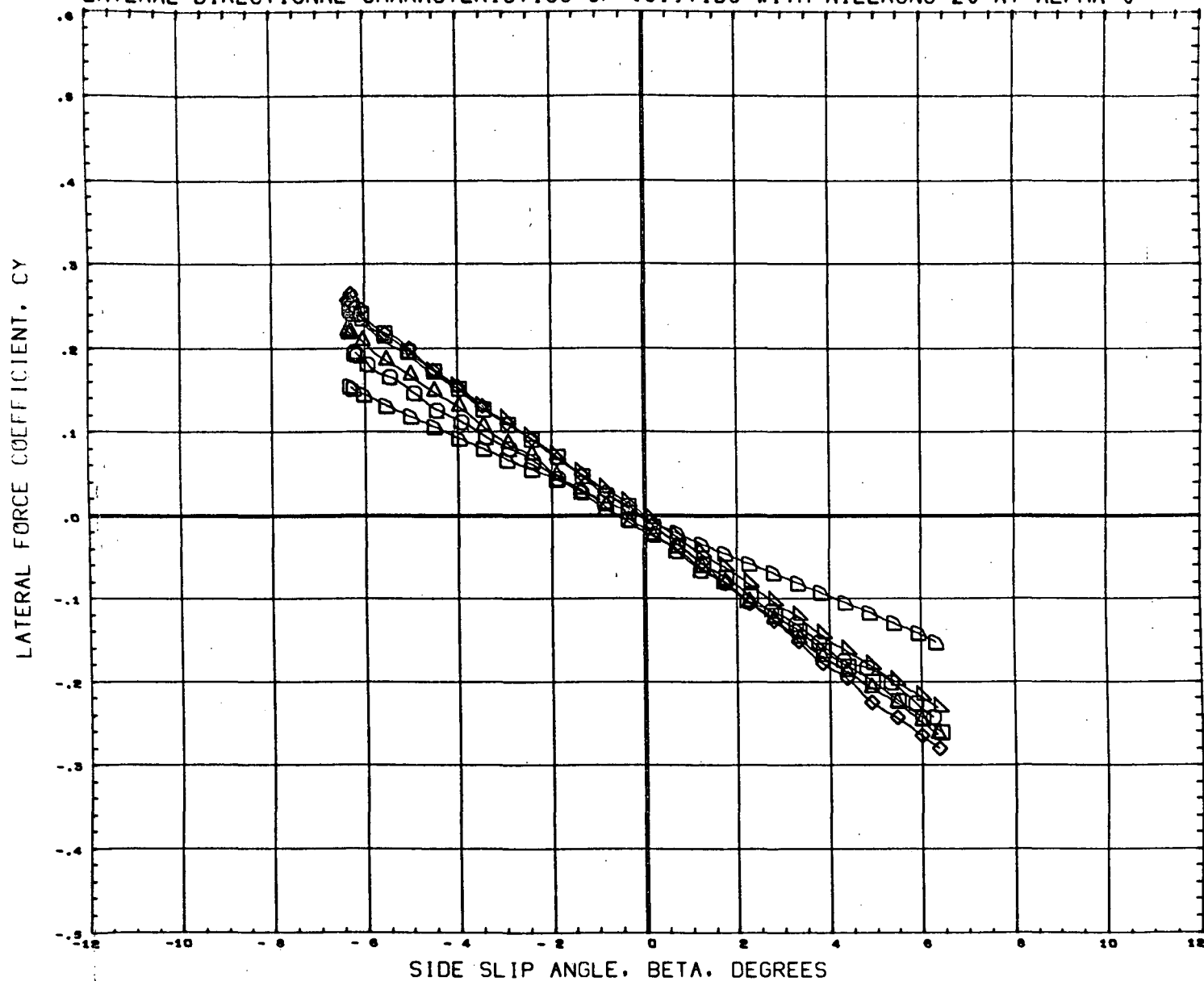
# LATERAL-DIRECTIONAL CHARACTERISTICS OF (01)T1B6 WITHAILERONS=20 AT BETA=0



SYMBOL	MACH	PARAMETRIC VALUES			
○	0.977	BETA	0.000	AILRON	20.000
◇	0.891	ELEVTR	0.000	RUDDER	0.000
□	1.090				
△	1.507				
▽	2.203				
◊	4.469	REFERENCE FILE			

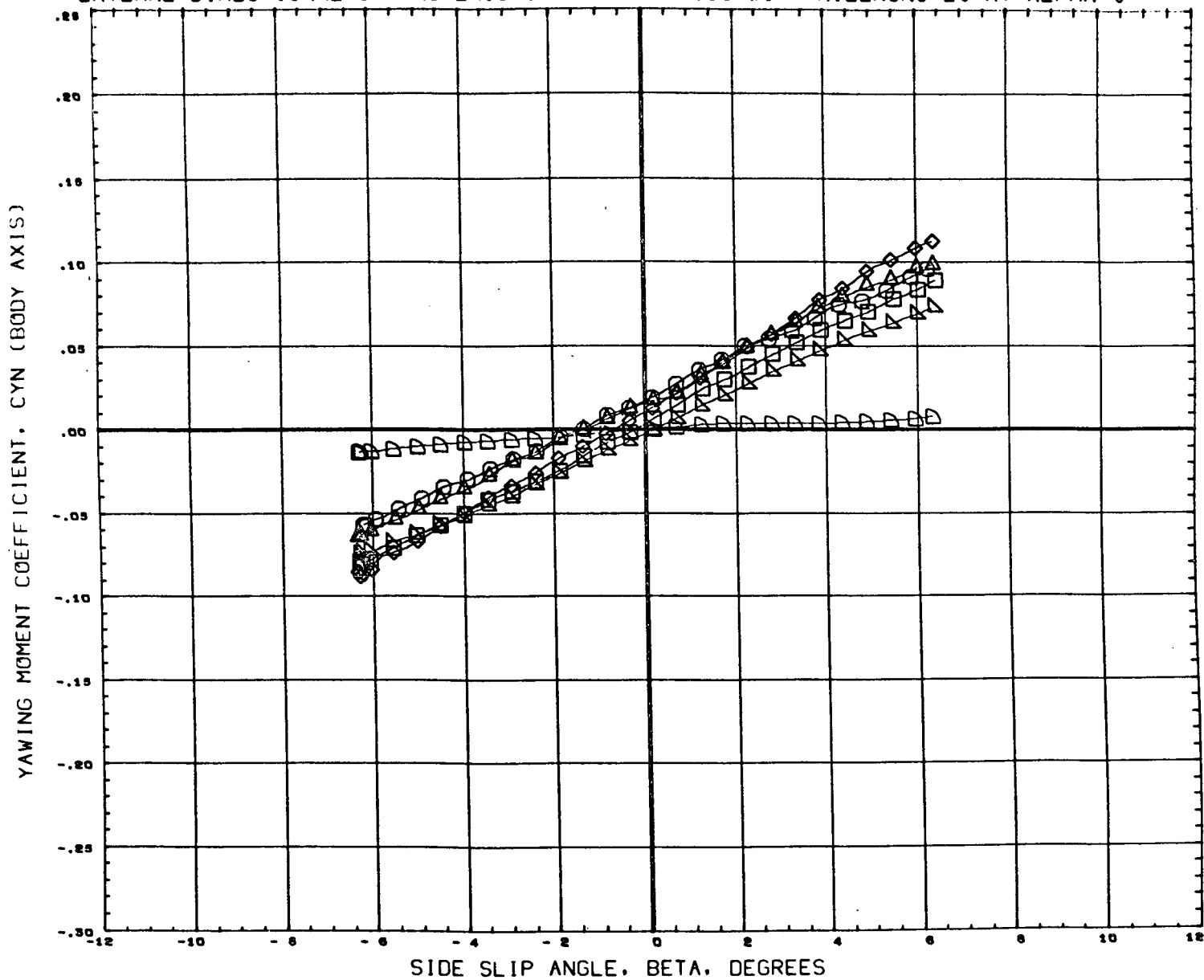
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	682.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE

# LATERAL-DIRECTIONAL CHARACTERISTICS OF (01)T1B6 WITH AILERONS=20 AT ALPHA=0



SYMBOL	MACH	PARAMETRIC VALUES				REFERENCE INFORMATION		
○	0.577	ALPHA	0.000	AILRON	20.000	SREF	3155.3040	SQ.FT.
△	0.696	ELEVTR	0.000	RUDDER	0.000	LREF	609.5004	IN.
◇	1.097					BREF	682.0004	IN.
◊	1.507					YMRP	557.0004	IN.
◡	2.203					ZMRP	0.0000	IN.
◢	4.469	REFERENCE FILE				ZMRP	200.0004	IN.
						SCALE	0.0060	SCALE

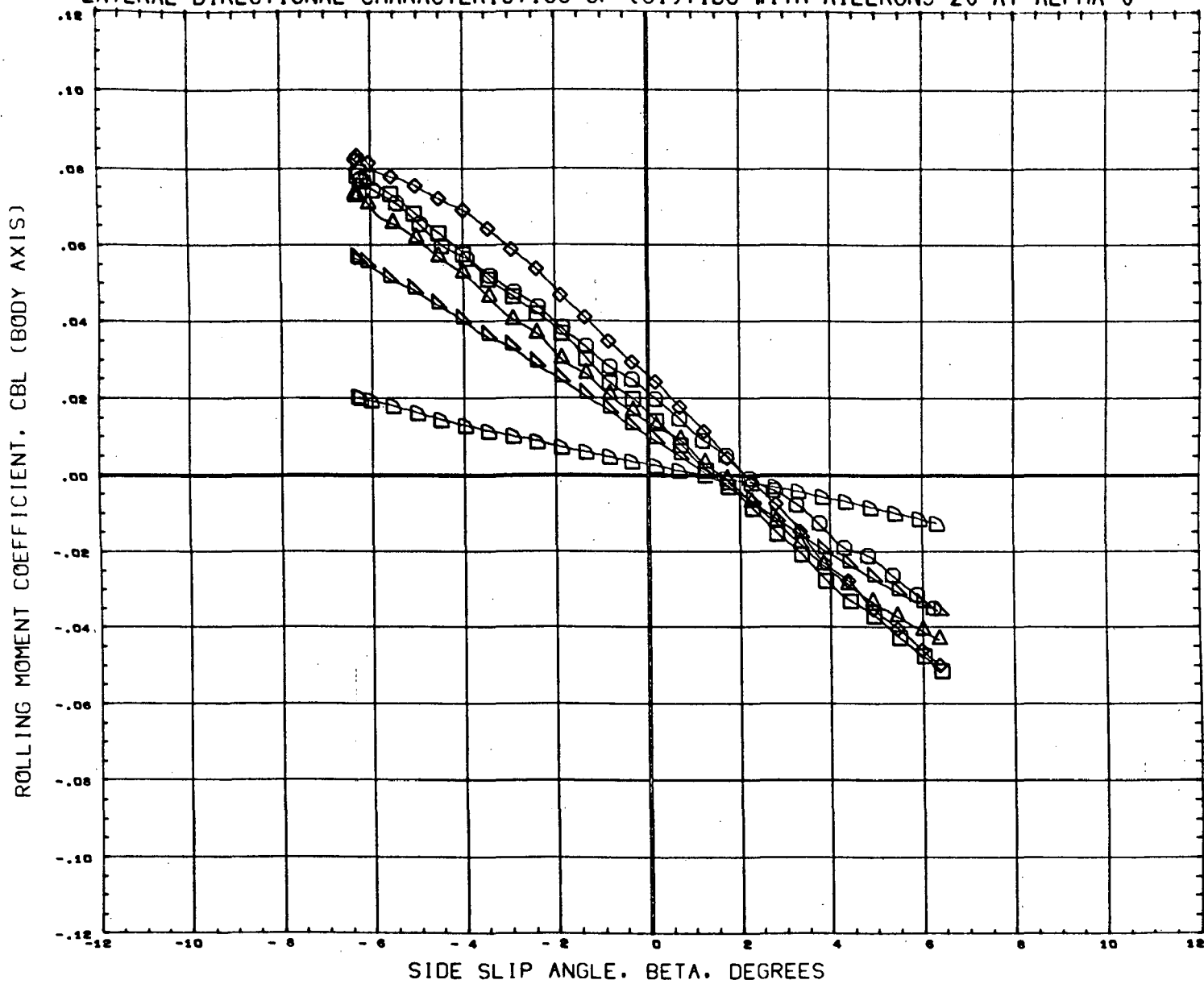
# LATERAL-DIRECTIONAL CHARACTERISTICS OF (01)T1B6 WITH AILERONS=20 AT ALPHA=0



SYMBOL	MACH	PARAMETRIC VALUES			
○	0.577	ALPHA	0.000	AILRON	20.000
△	0.696	ELEVTR	0.000	RUDDER	0.000
◇	1.097				
□	1.507				
▤	2.203				
▥	4.469	REFERENCE FILE			

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	862.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE

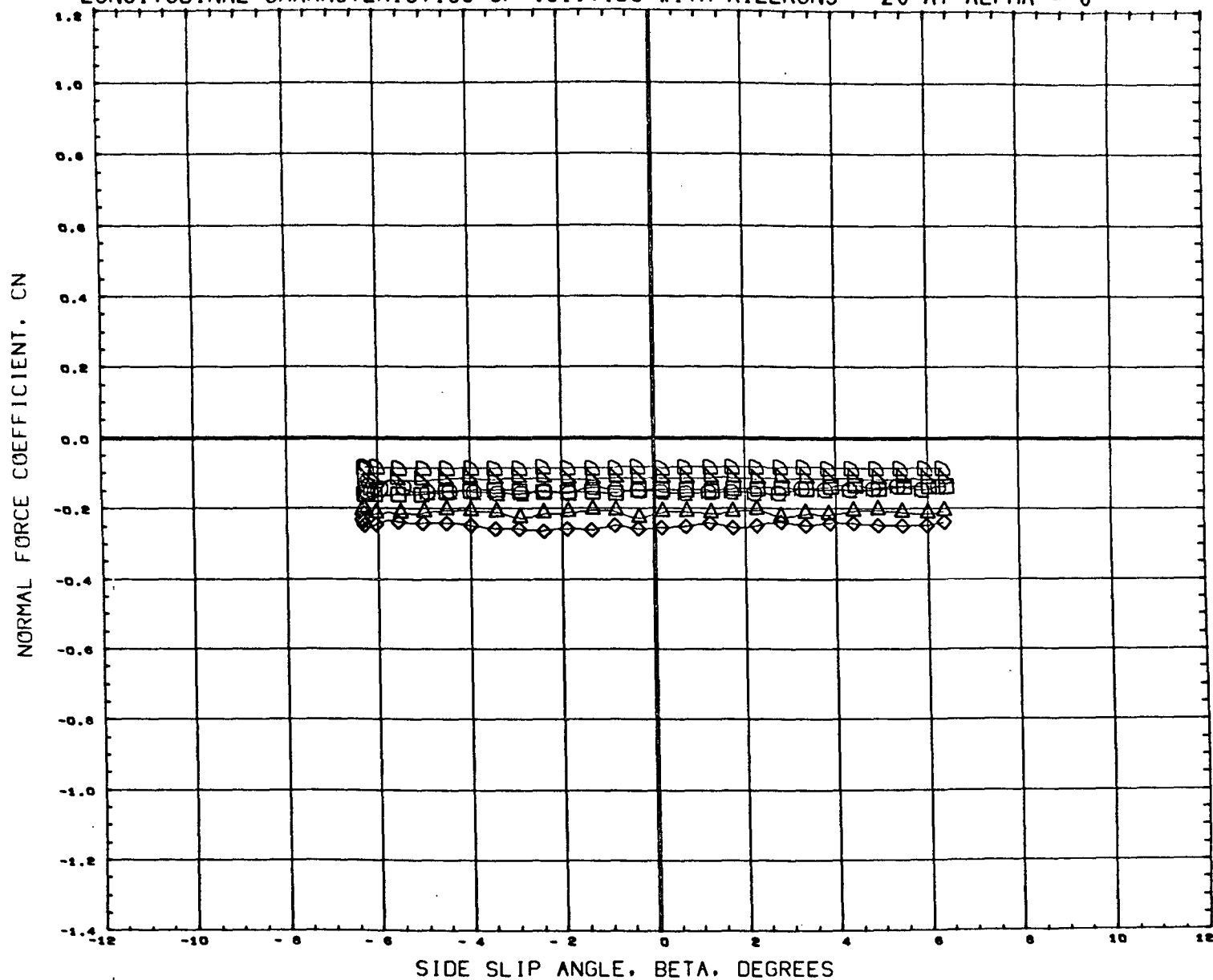
# LATERAL-DIRECTIONAL CHARACTERISTICS OF (01)T1B6 WITH AILERONS=20 AT ALPHA=0



SYMBOL	MACH	PARAMETRIC VALUES			
○	0.577	ALPHA	0.000	AILRON	20.000
△	0.896	ELEVTR	0.000	RUDDER	0.000
◇	1.097				
◻	1.507				
◼	2.203				
◽	4.469	REFERENCE FILE			

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE

# LONGITUDINAL CHARACTERISTICS OF (01)T1B6 WITH AILERONS = 20 AT ALPHA = 0

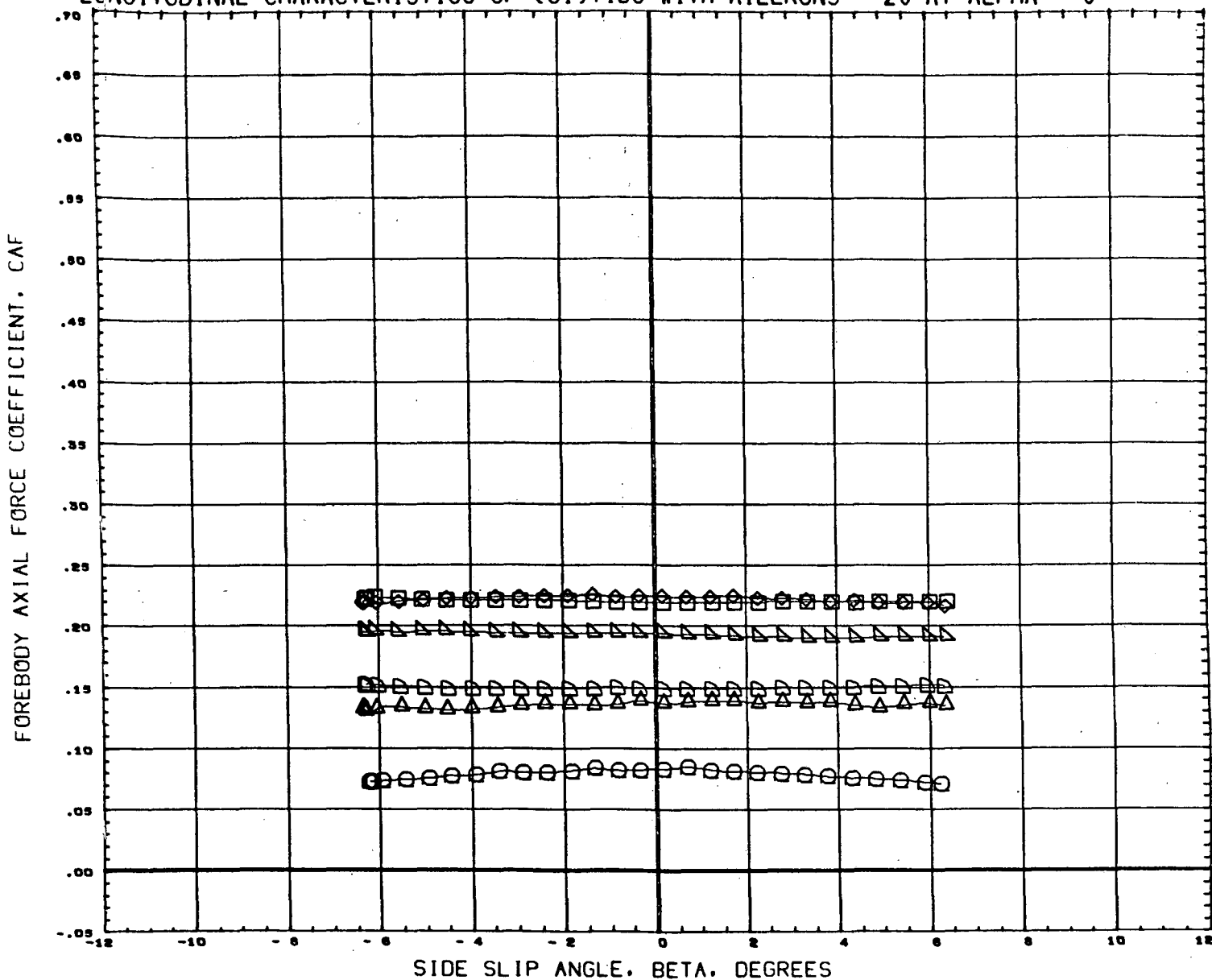


SYMBOL	MACH	PARAMETRIC VALUES			
○	0.577	ALPHA	0.000	AILRON	20.000
□	0.896	ELEVTR	0.000	RUDDER	0.000
△	1.097				
◇	1.507				
	2.203				
	4.469	DATA HIST. CODE	TV		

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	662.0004	IN.
XMRP	537.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE



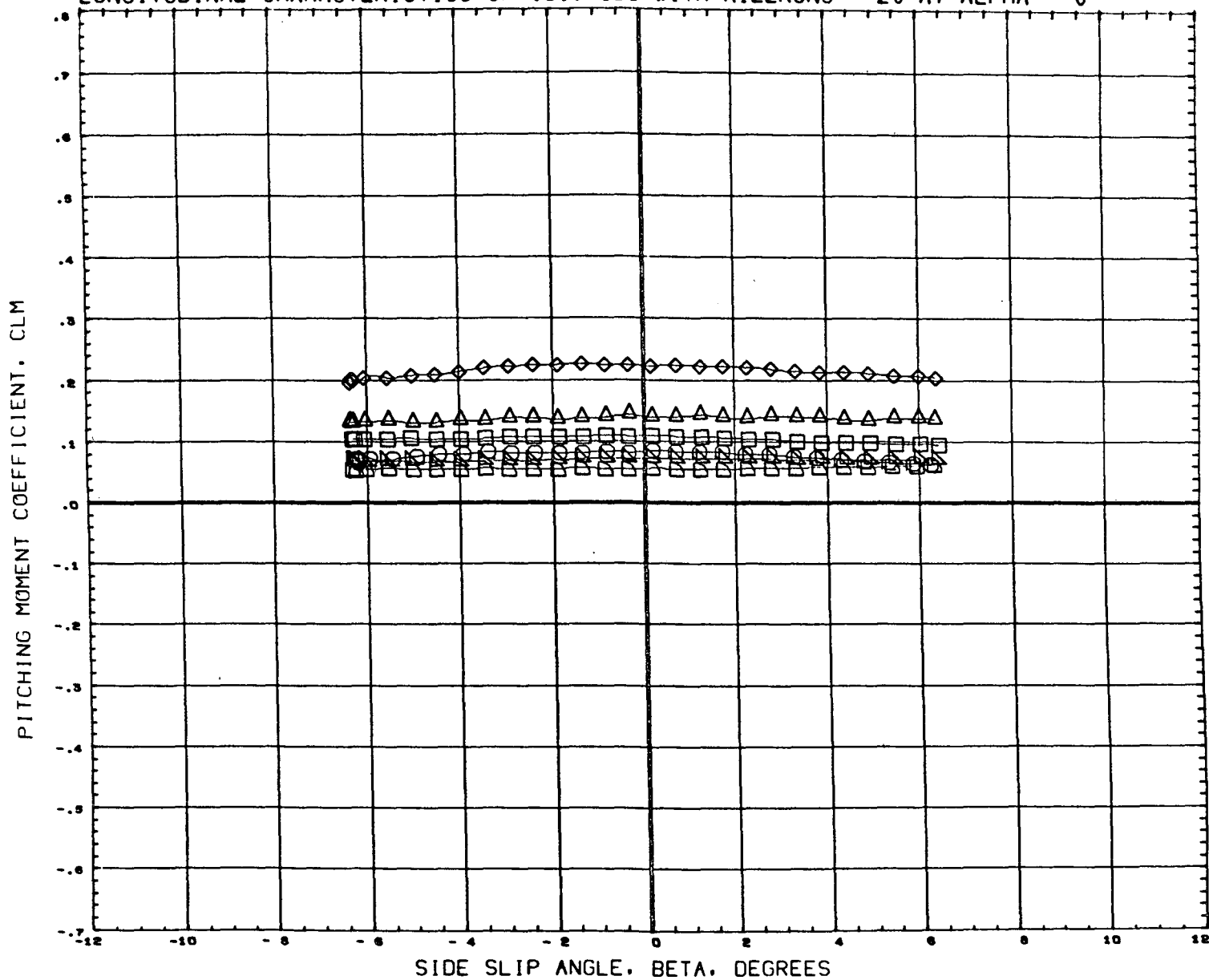
# LONGITUDINAL CHARACTERISTICS OF (01)T1B6 WITH AILERONS = 20 AT ALPHA = 0



SYMBOL	MACH	PARAMETRIC VALUES			
○	0.577	ALPHA	0.000	AILRON	20.000
□	0.896	ELEVTR	0.000	RUDDER	0.000
◇	1.097				
△	1.507				
×	2.203				
	4.469	DATA HIST. CODE	TV		

REFERENCE INFORMATION		
SREF	3155.3040	SQ. FT.
LREF	609.5004	IN.
BREF	662.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	-0.0060	SCALE

# LONGITUDINAL CHARACTERISTICS OF (01)T1B6 WITH AILERONS = 20 AT ALPHA = 0

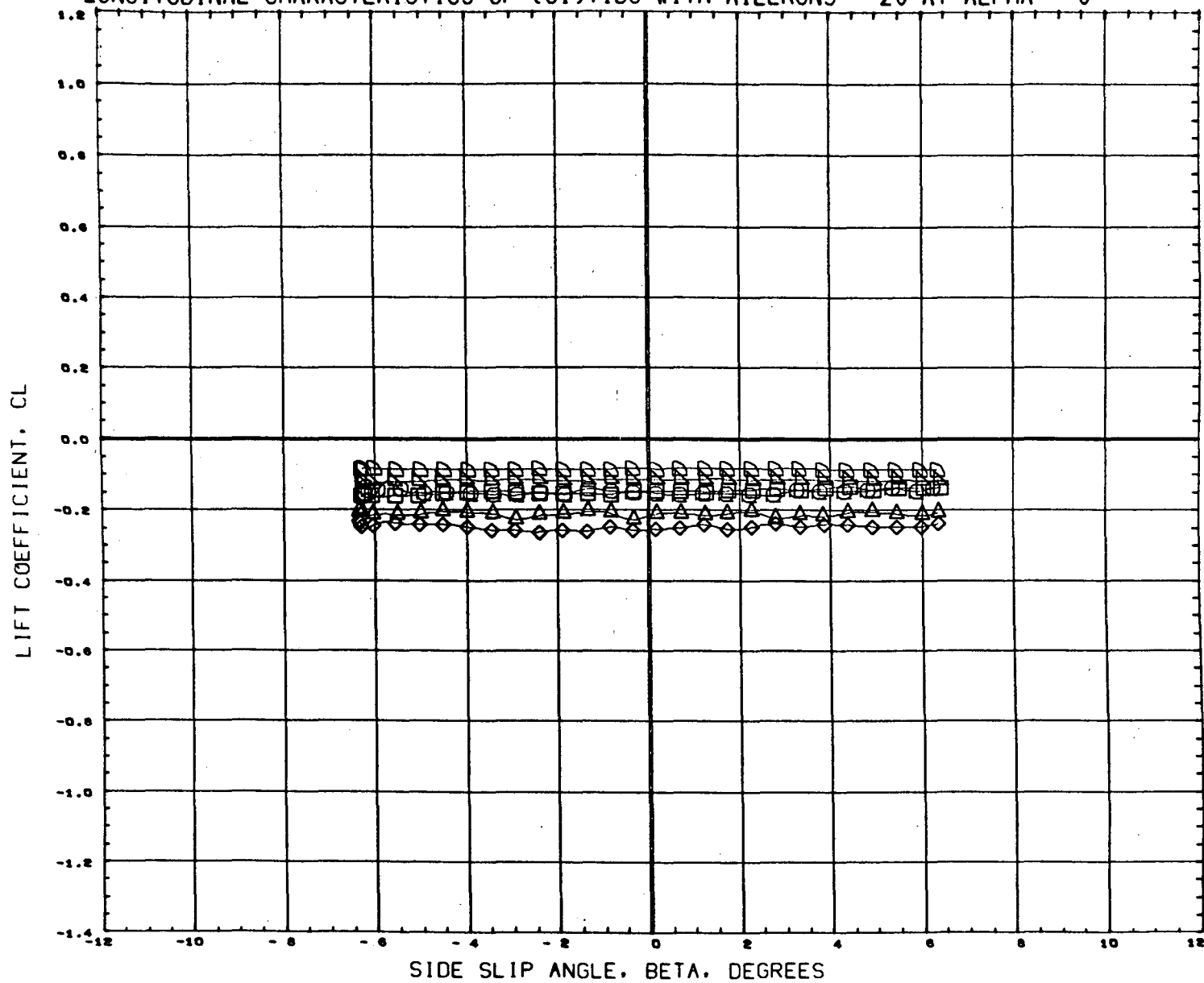


SYMBOL	MACH	PARAMETRIC VALUES				REFERENCE INFORMATION		
◇	0.577	ALPHA	0.000	AILRON	20.000	SREF	3155.3040	SQ.FT.
△	0.696	ELEVTR	0.000	RUDDER	0.000	LREF	609.5004	IN.
□	1.097					BREF	882.0004	IN.
◇	1.507					XMRP	557.0004	IN.
△	2.203					YMRP	0.0000	IN.
□	4.469	DATA HIST. CODE	TV			ZMRP	200.0004	IN.
						SCALE	0.0060	SCALE

MDAC S-222 COMPOSITE(T-CG) (01)T1B6

(CD74C4) 12 SEP 72 PAGE 872

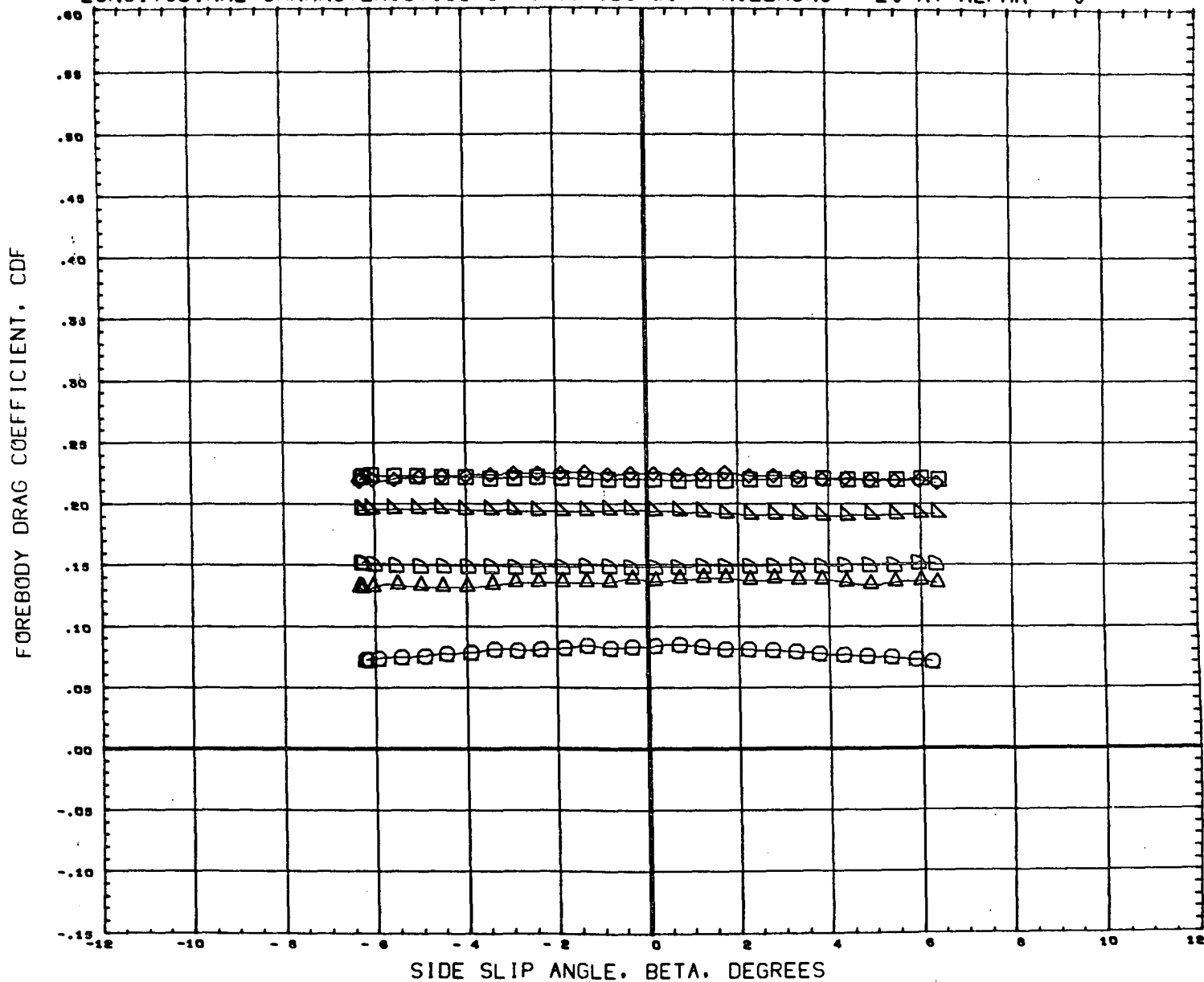
# LONGITUDINAL CHARACTERISTICS OF (01)T1B6 WITH AILERONS = 20 AT ALPHA = 0



SYMBOL	MACH	PARAMETRIC VALUES			
○	0.577	ALPHA	0.000	AILRON	20.000
△	0.896	ELEVTR	0.000	RUDDER	0.000
◇	1.097				
□	1.507				
▤	2.203				
▥	4.469	DATA HIST. CODE	TV		

REFERENCE INFORMATION		
SREF	3195.3040	SQ. FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE

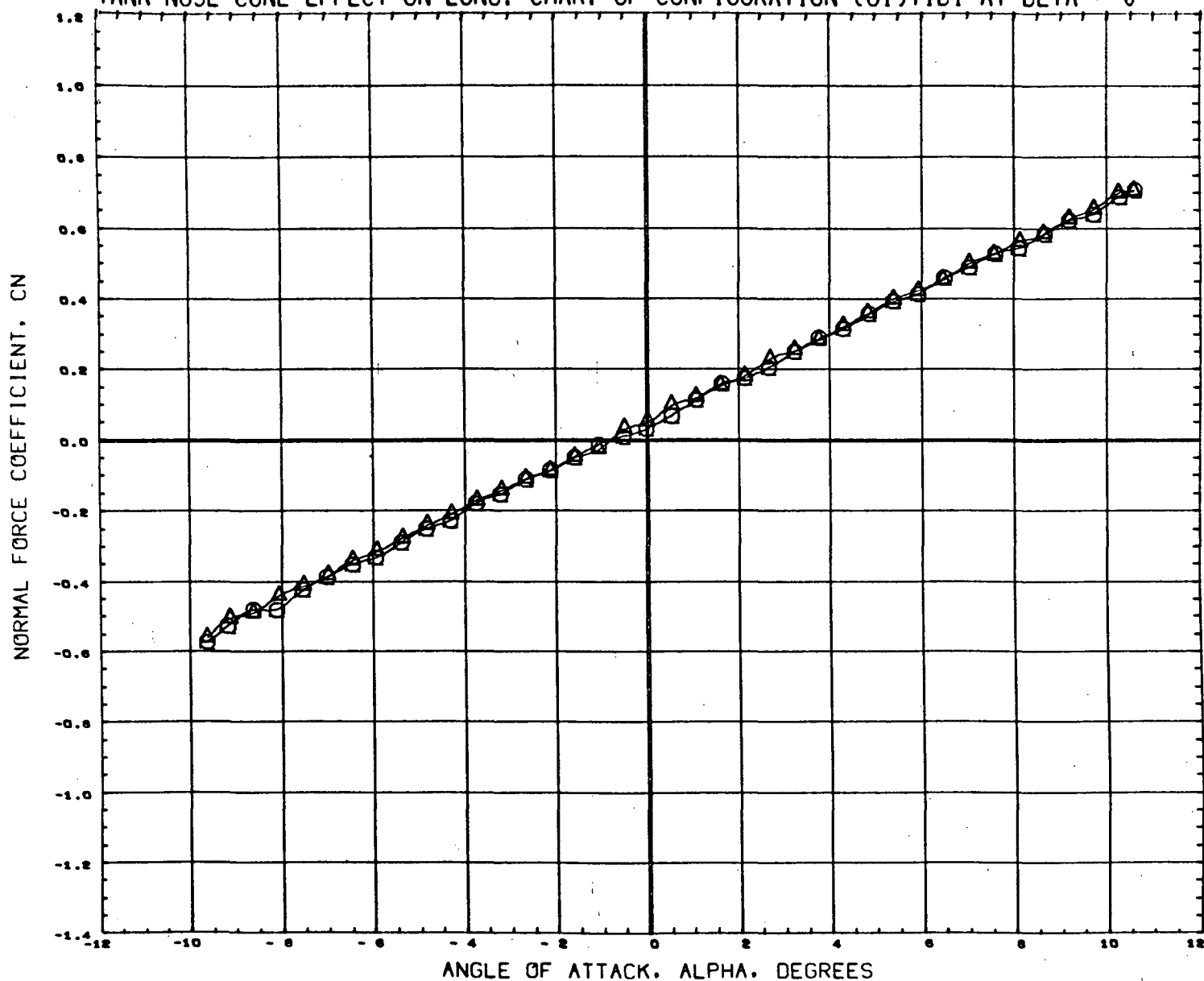
# LONGITUDINAL CHARACTERISTICS OF (01)T1B6 WITH AILERONS = 20 AT ALPHA = 0



SYMBOL	MACH	PARAMETRIC VALUES			
○	0.577	ALPHA	0.000	AILRON	20.000
◇	0.896	ELEVTR	0.000	RUDDER	0.000
◊	1.097				
◻	1.507				
◼	2.203				
◽	4.469	DATA HIST. CODE	TV		

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.3004	IN.
BREF	662.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE

# TANK NOSE CONE EFFECT ON LONG. CHAR. OF CONFIGURATION (01)T1B1 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7401) MDAC S-222 COMPOSITE (T-CG) (01)T1B1  
 (CD7450) MDAC S-222 COMPOSITE (T-CG) (01)T2B1

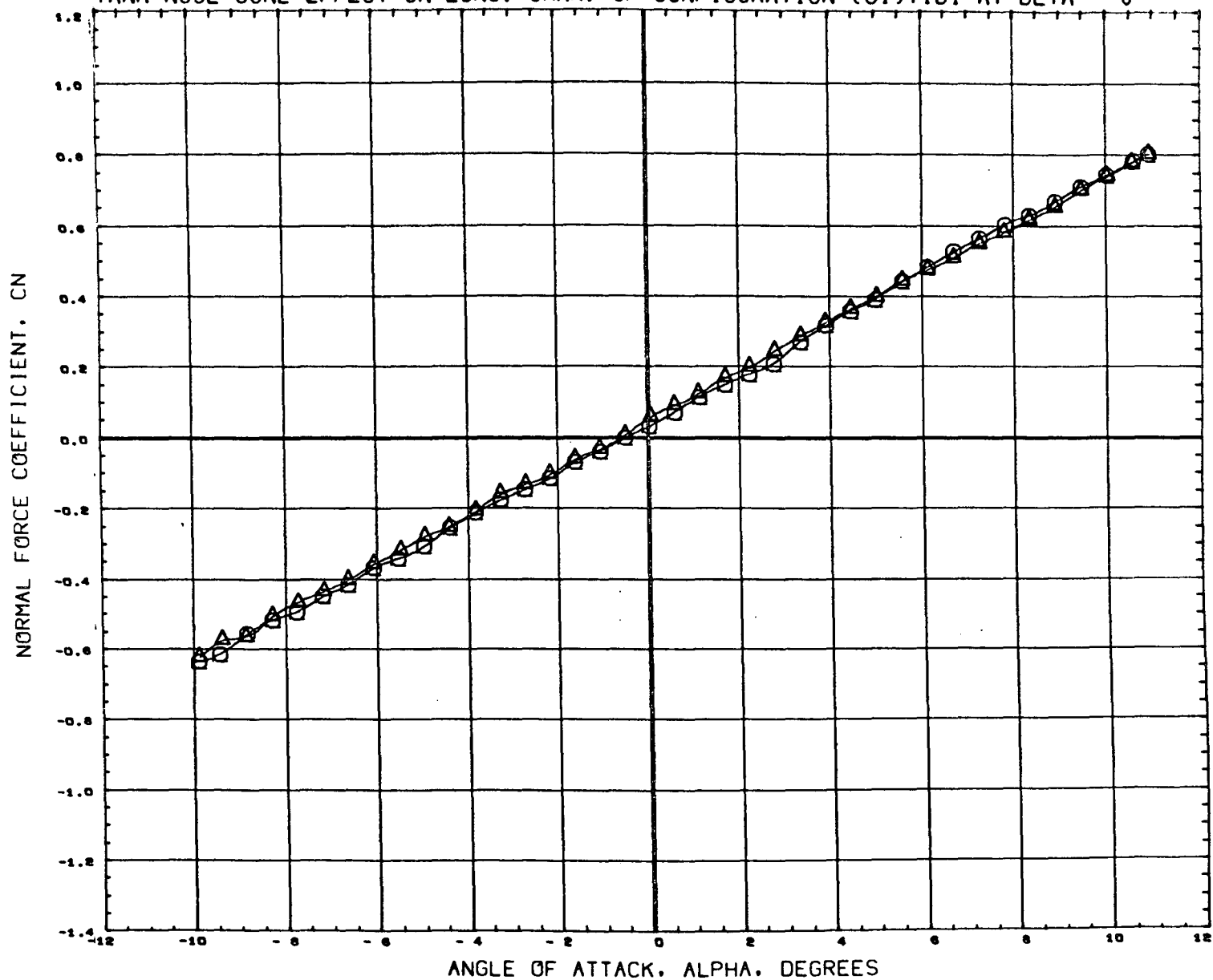
BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 0.000 0.000 0.000 0.000

REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.3004 IN.  
 BREF 882.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0080

MACH .59

PAGE 875

# TANK NOSE CONE EFFECT ON LONG. CHAR. OF CONFIGURATION (01)T1B1 AT BETA = 0

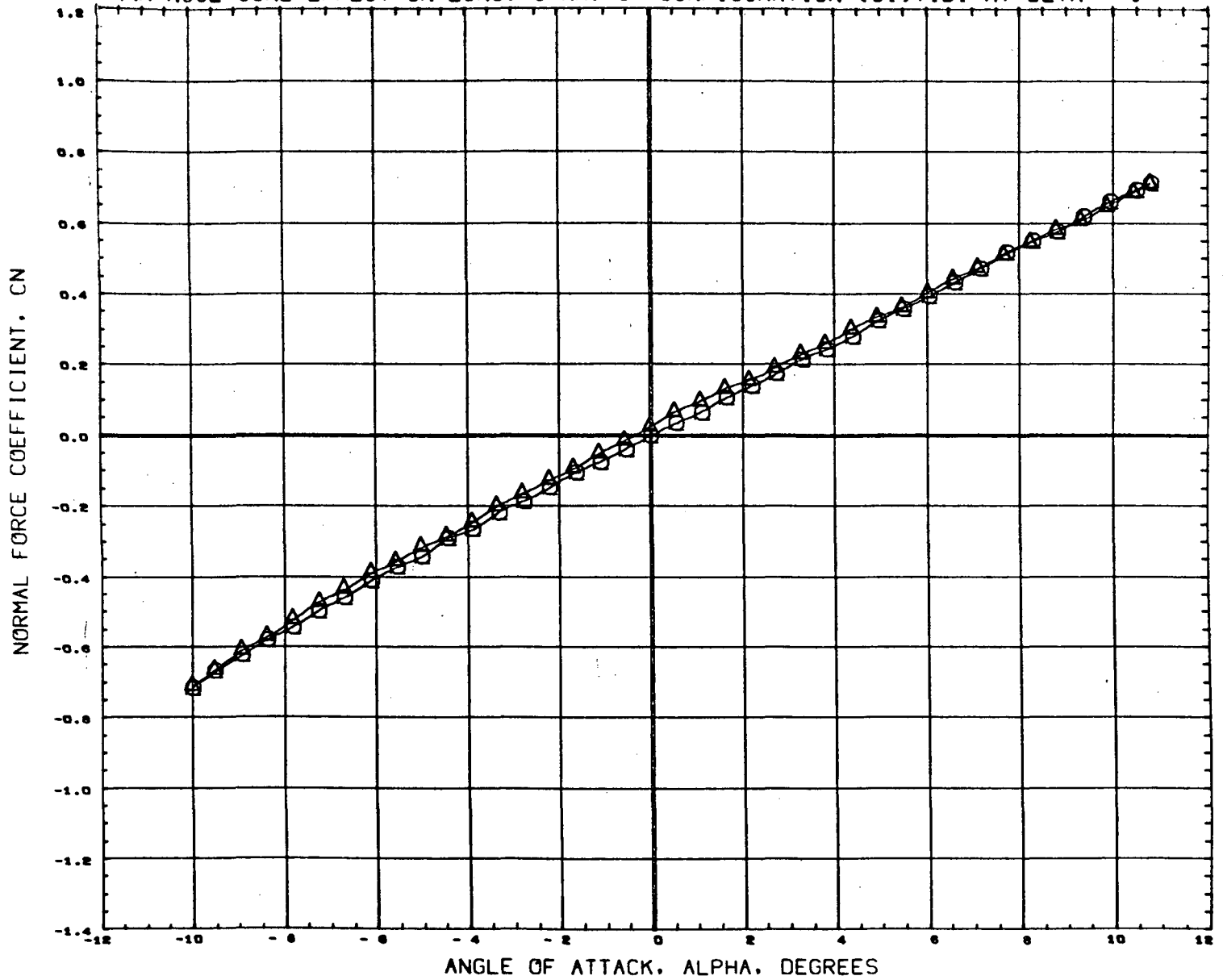


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07401)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07450)	MDAC S-222 COMPOSITE (T-CG) (01)T2B1	0.000	0.000	0.000	0.000	LREF	609.9004 IN.
						BREF	662.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 876

# TANK NOSE CONE EFFECT ON LONG. CHAR. OF CONFIGURATION (01)T1B1 AT BETA = 0

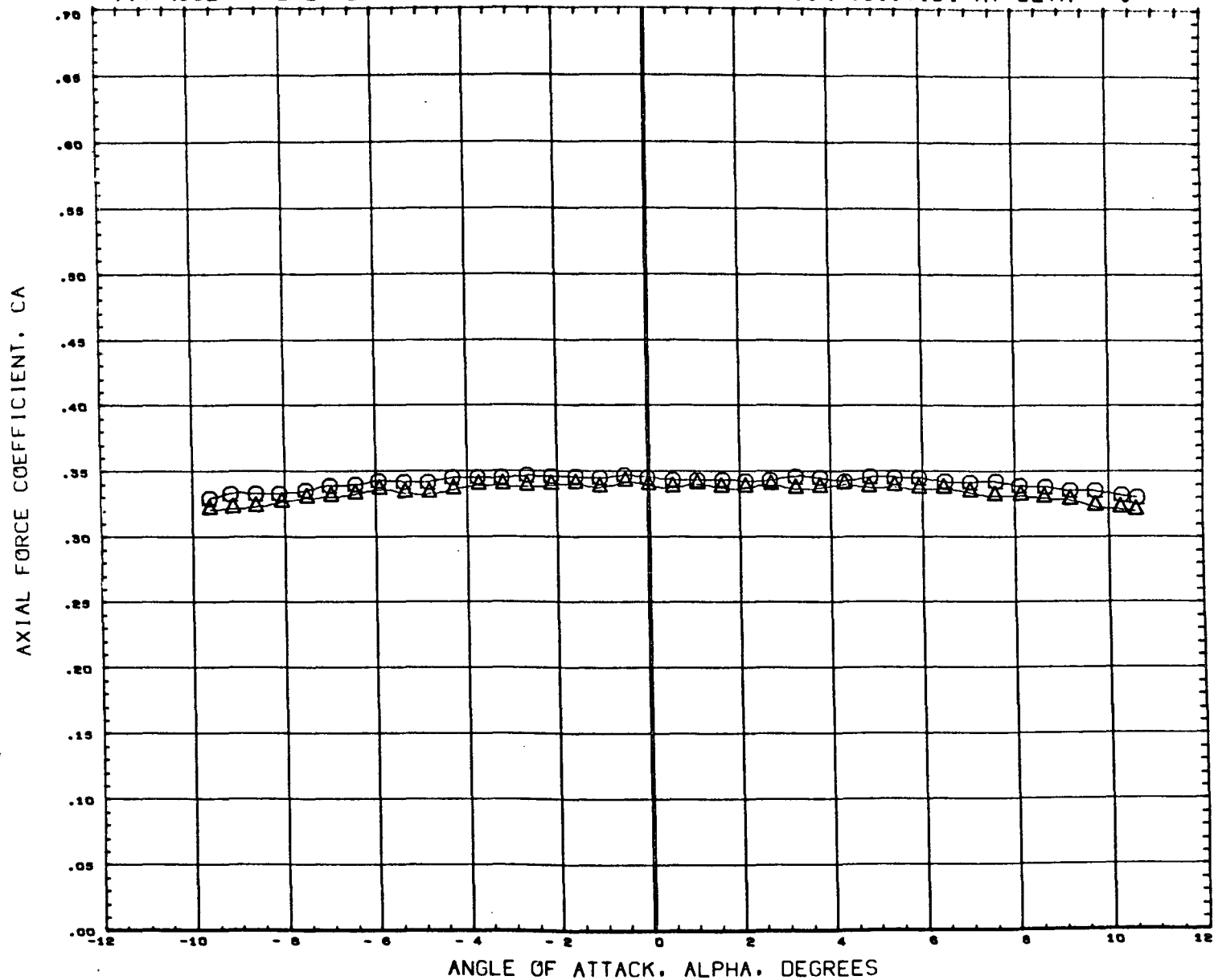


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7401)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD7450)	MDAC S-222 COMPOSITE (T-CG) (01)T2B1	0.000	0.000	0.000	0.000	LREF	609.5004	IN.
						BREF	682.0004	IN.
						XMRP	997.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH 1.10

PAGE 877

# TANK NOSE CONE EFFECT ON LONG. CHAR. OF CONFIGURATION (01)T1B1 AT BETA = 0



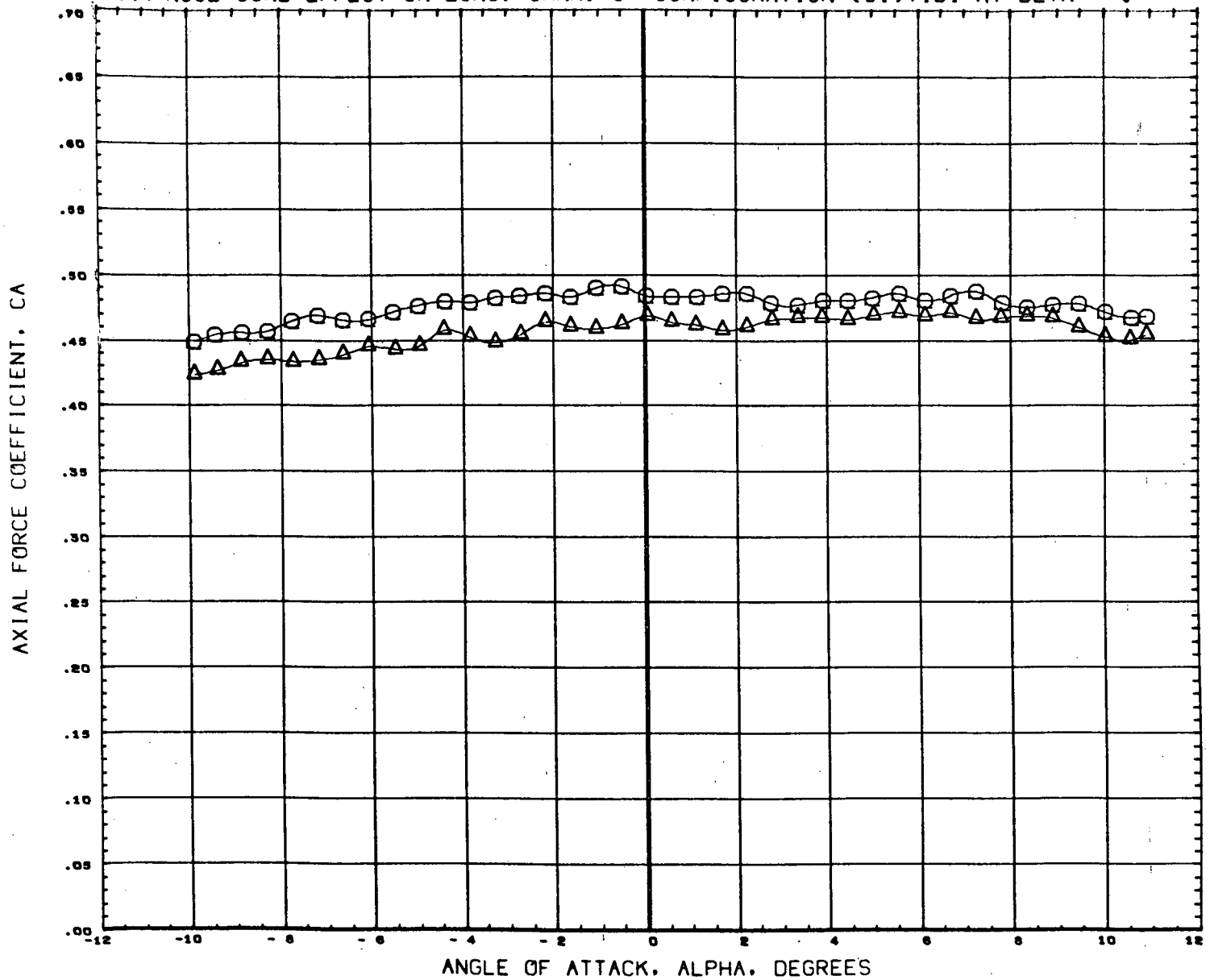
DATA SET SYMBOL    CONFIGURATION DESCRIPTION		BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7401)	MDAC S-222 COMPOSITE(T-CG) (01)T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7450)	MDAC S-222 COMPOSITE(T-CG) (01)T2B1	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	962.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .59

PAGE 878



# TANK NOSE CONE EFFECT ON LONG. CHAR. OF CONFIGURATION (01)T1B1 AT BETA = 0

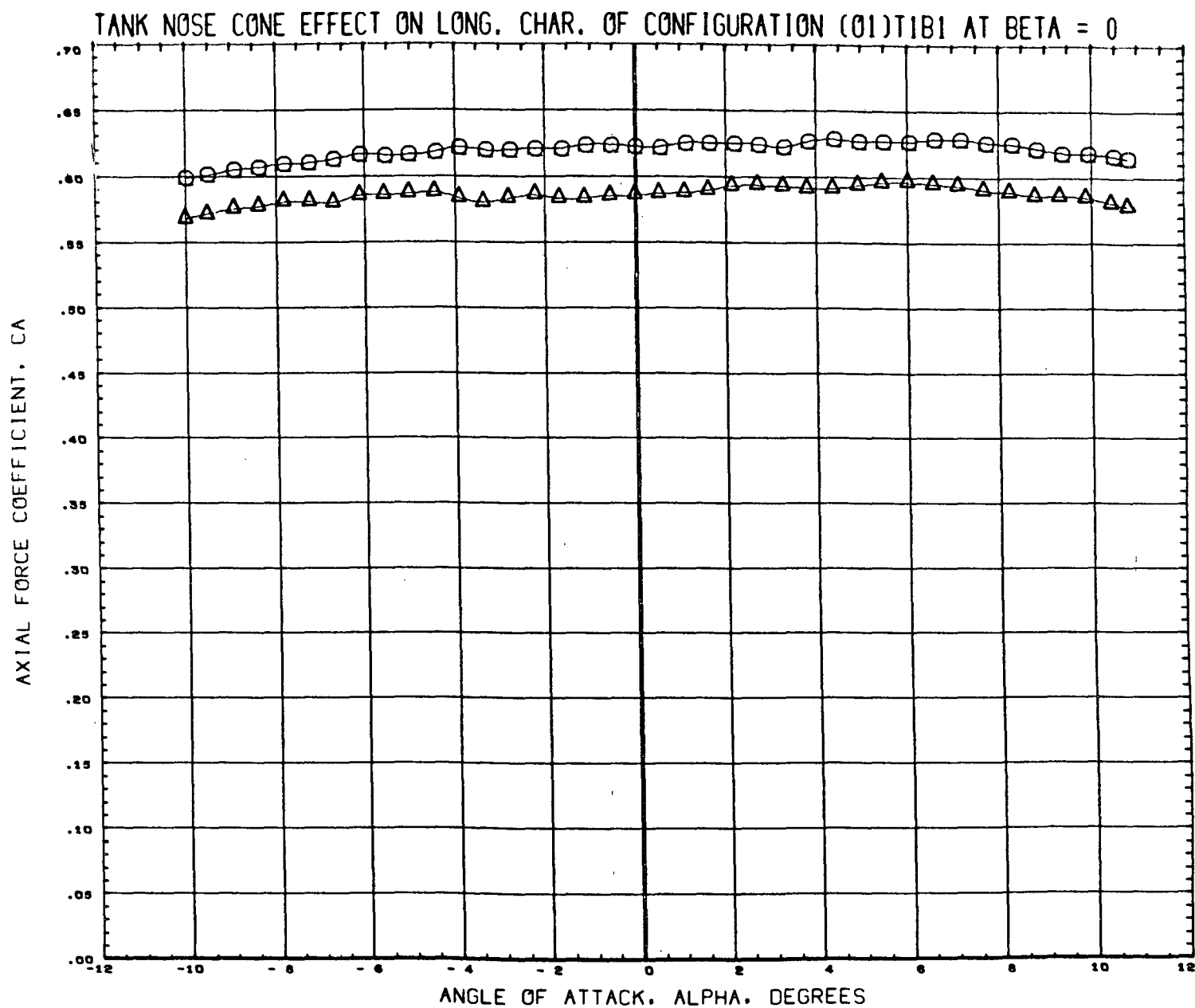


DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7401)	MDAC S-222 COMPOSITE (T-C6) (01)T1B1
(CD7450)	MDAC S-222 COMPOSITE (T-C6) (01)T2B1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .90

PAGE 879

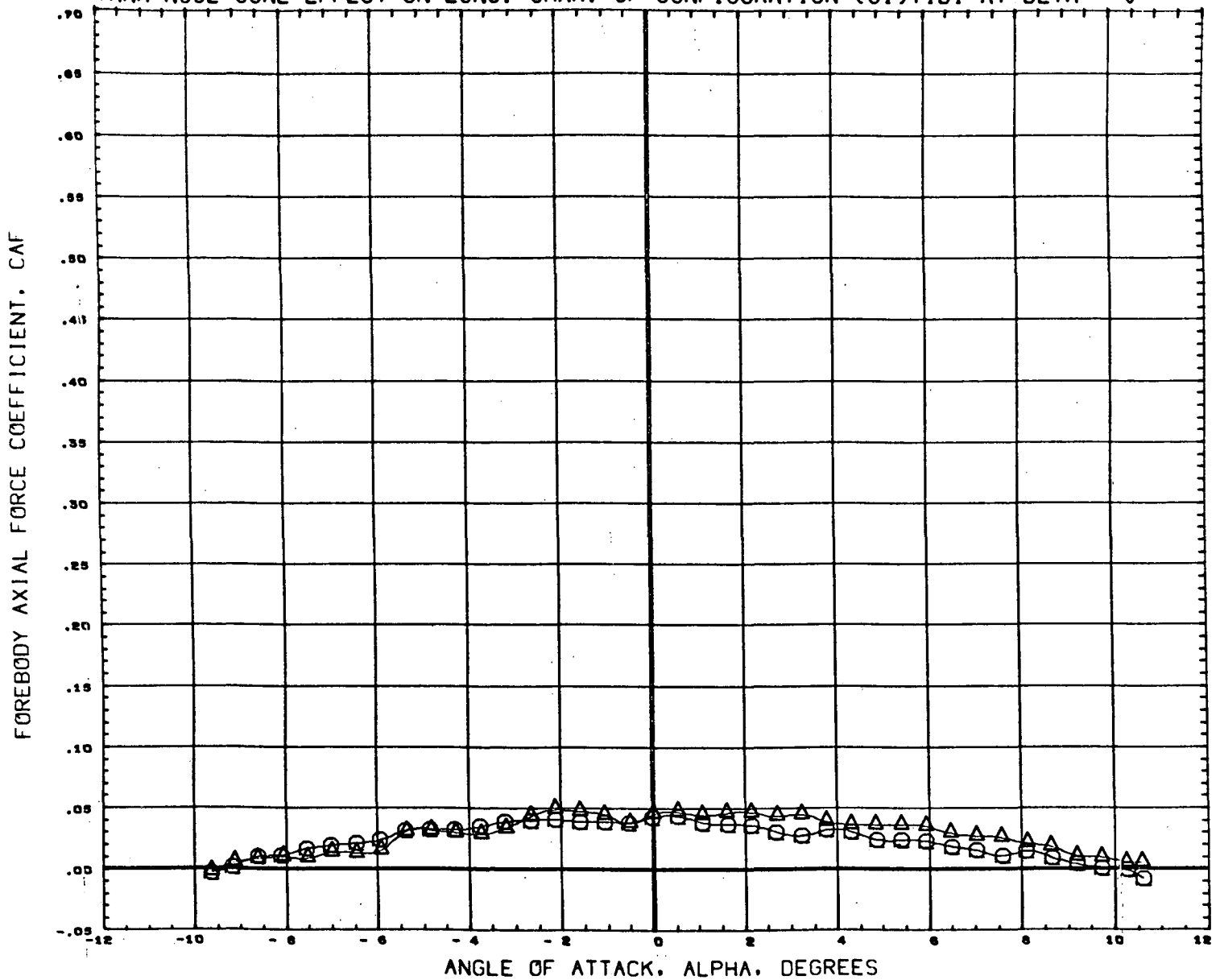


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7401)	MDAC S-222 COMPOSITE(T-CG) (01)T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7450)	MDAC S-222 COMPOSITE(T-CG) (01)T2B1	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

PAGE 880

# TANK NOSE CONE EFFECT ON LONG. CHAR. OF CONFIGURATION (01)T1B1 AT BETA = 0



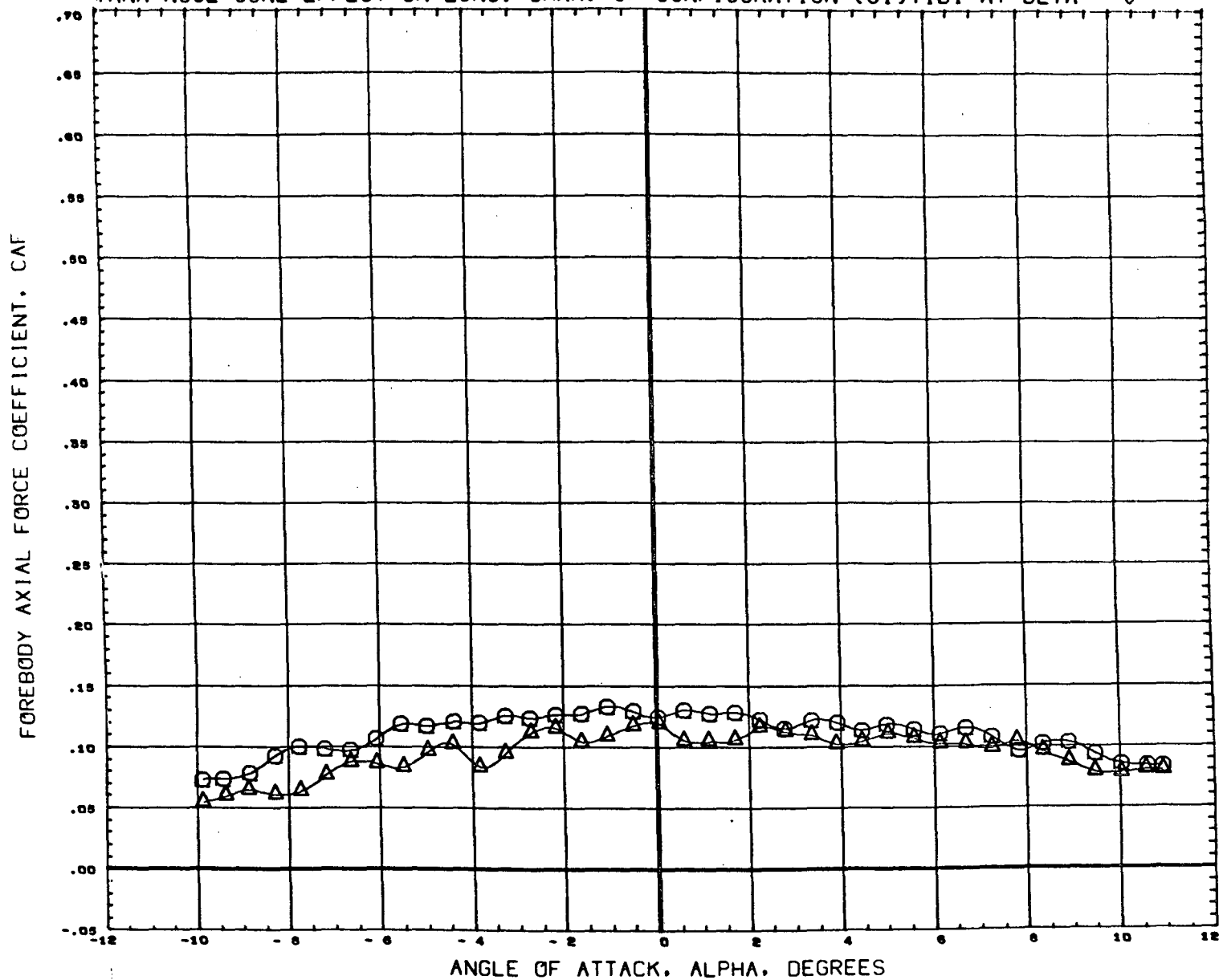
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7401) (01)T1B1  
 (CD7450) (01)T2B1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	662.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .59

PAGE 881

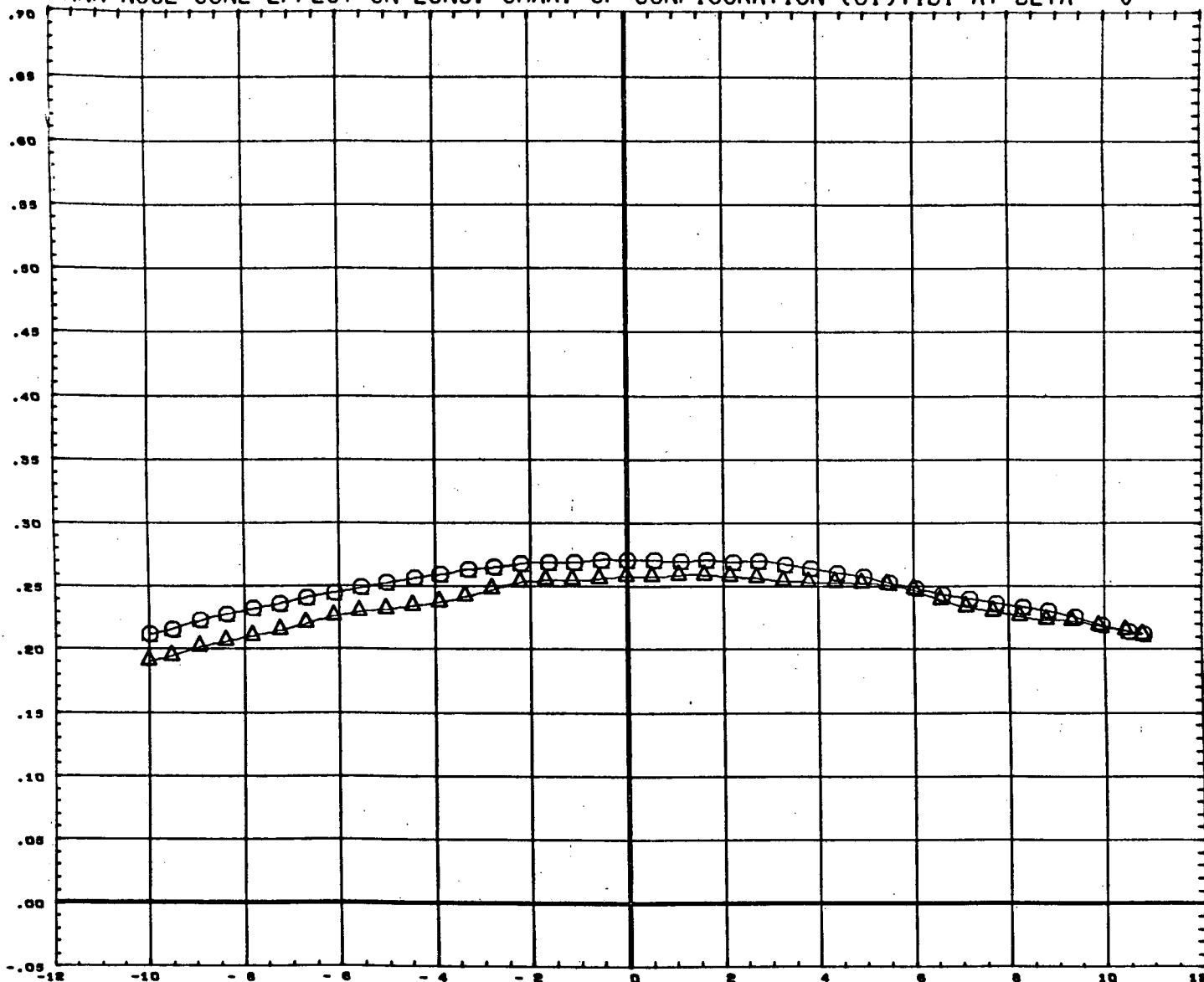
# TANK NOSE CONE EFFECT ON LONG. CHAR. OF CONFIGURATION (01)T1B1 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7401)	MDAC S-222 COMPOSITE (T-C6) (01)T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7450)	MDAC S-222 COMPOSITE (T-C6) (01)T2B1	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

# TANK NOSE CONE EFFECT ON LONG. CHAR. OF CONFIGURATION (01)T1B1 AT BETA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7401) (01)T1B1 MDAC S-222 COMPOSITE(T-CG) (01)T1B1

(CD7450) (01)T2B1 MDAC S-222 COMPOSITE(T-CG) (01)T2B1

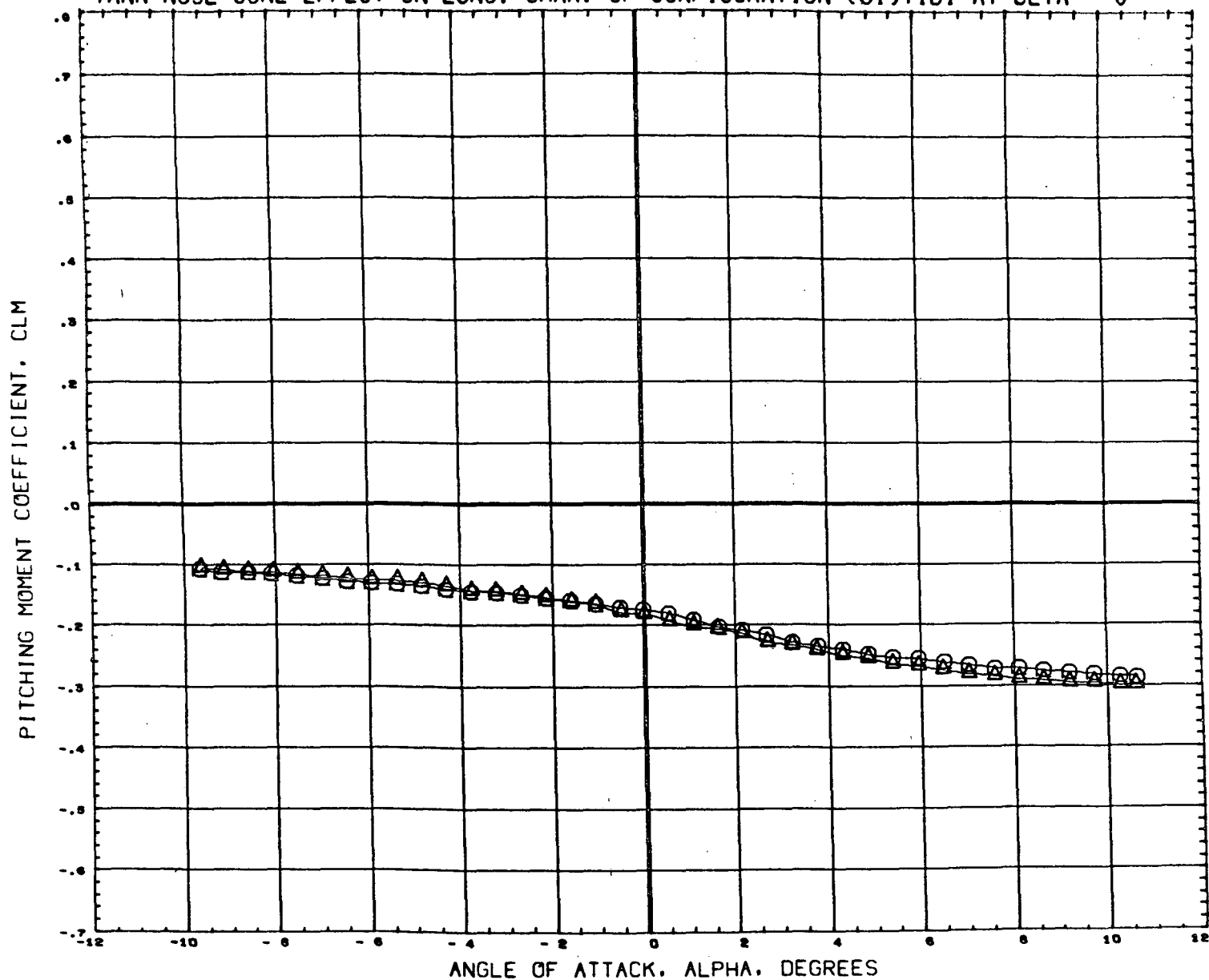
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH

1.10

PAGE 883

# TANK NOSE CONE EFFECT ON LONG. CHAR. OF CONFIGURATION (01)T1B1 AT BETA = 0

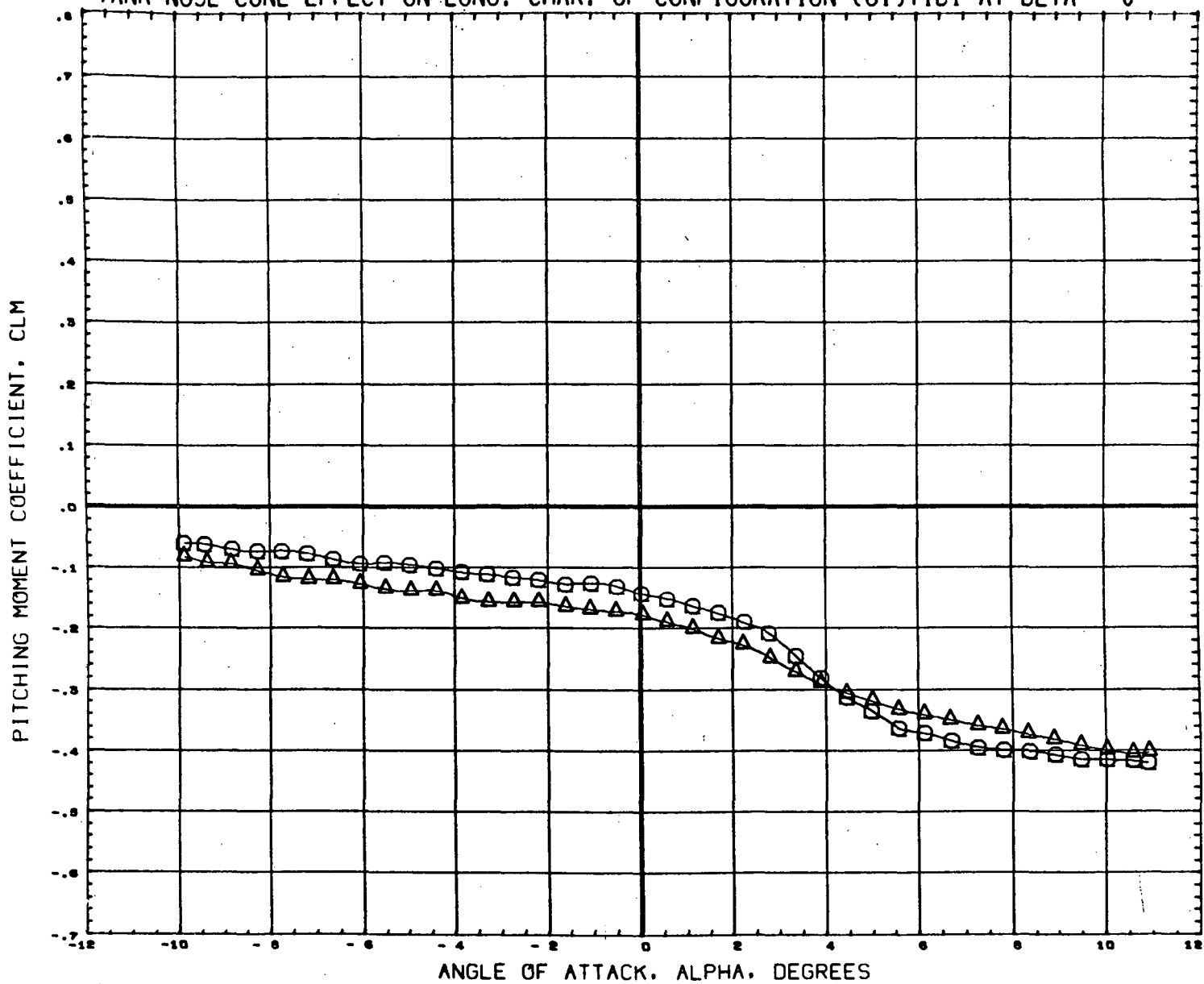


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7401)	MDAC S-222 COMPOSITE(T-CG) (01)T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7450)	MDAC S-222 COMPOSITE(T-CG) (01)T2B1	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	537.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .59

PAGE 884

# TANK NOSE CONE EFFECT ON LONG. CHAR. OF CONFIGURATION (01)T1B1 AT BETA = 0



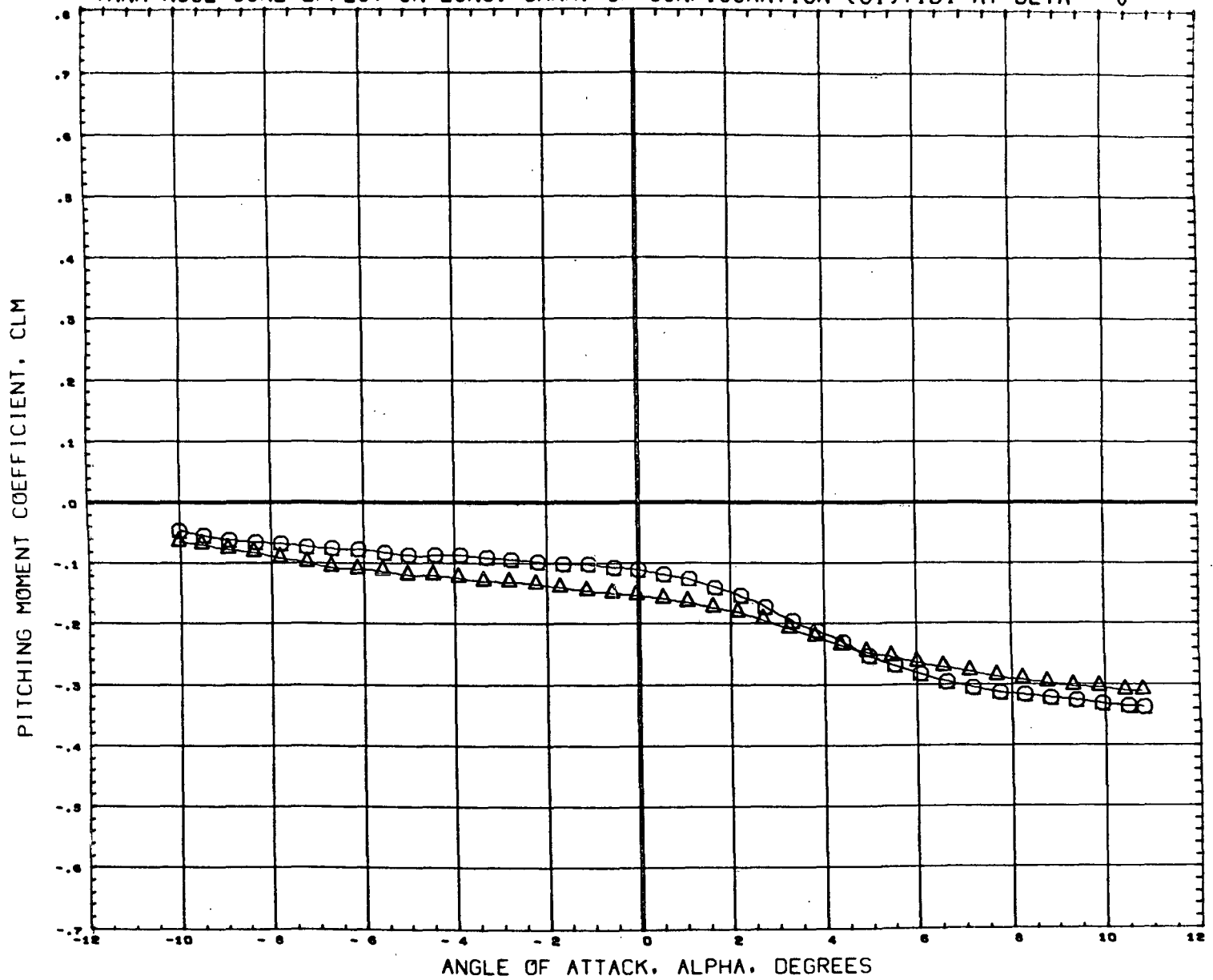
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7401)    (01)T1B1  
 (CD7450)    (01)T2B1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	662.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .90

PAGE 885

# TANK NOSE CONE EFFECT ON LONG. CHAR. OF CONFIGURATION (01)T1B1 AT BETA = 0



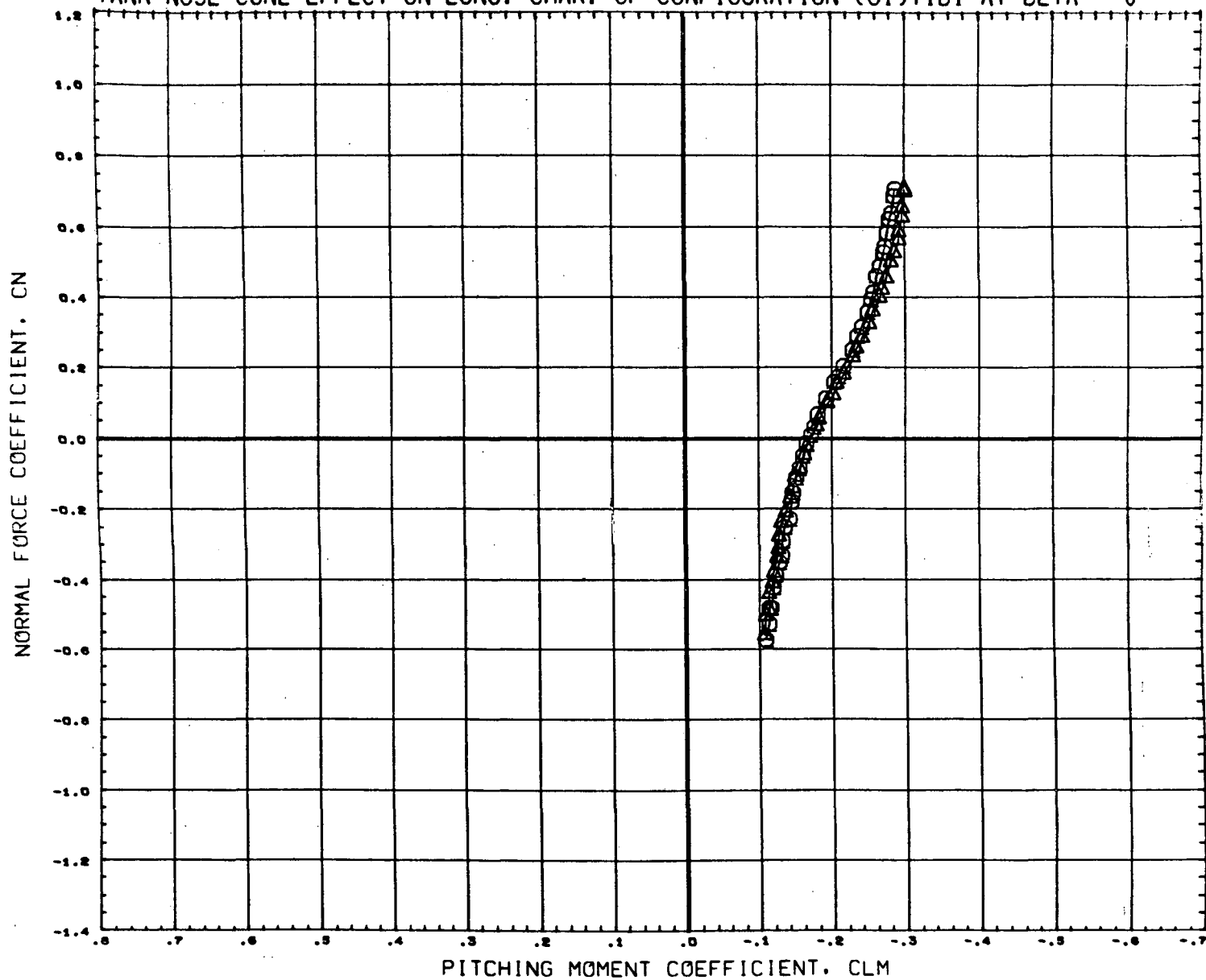
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07401)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07450)	MDAC S-222 COMPOSITE (T-CG) (01)T2B1	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0080

MACH 1.10

PAGE 886



# TANK NOSE CONE EFFECT ON LONG. CHAR. OF CONFIGURATION (01)T1B1 AT BETA = 0

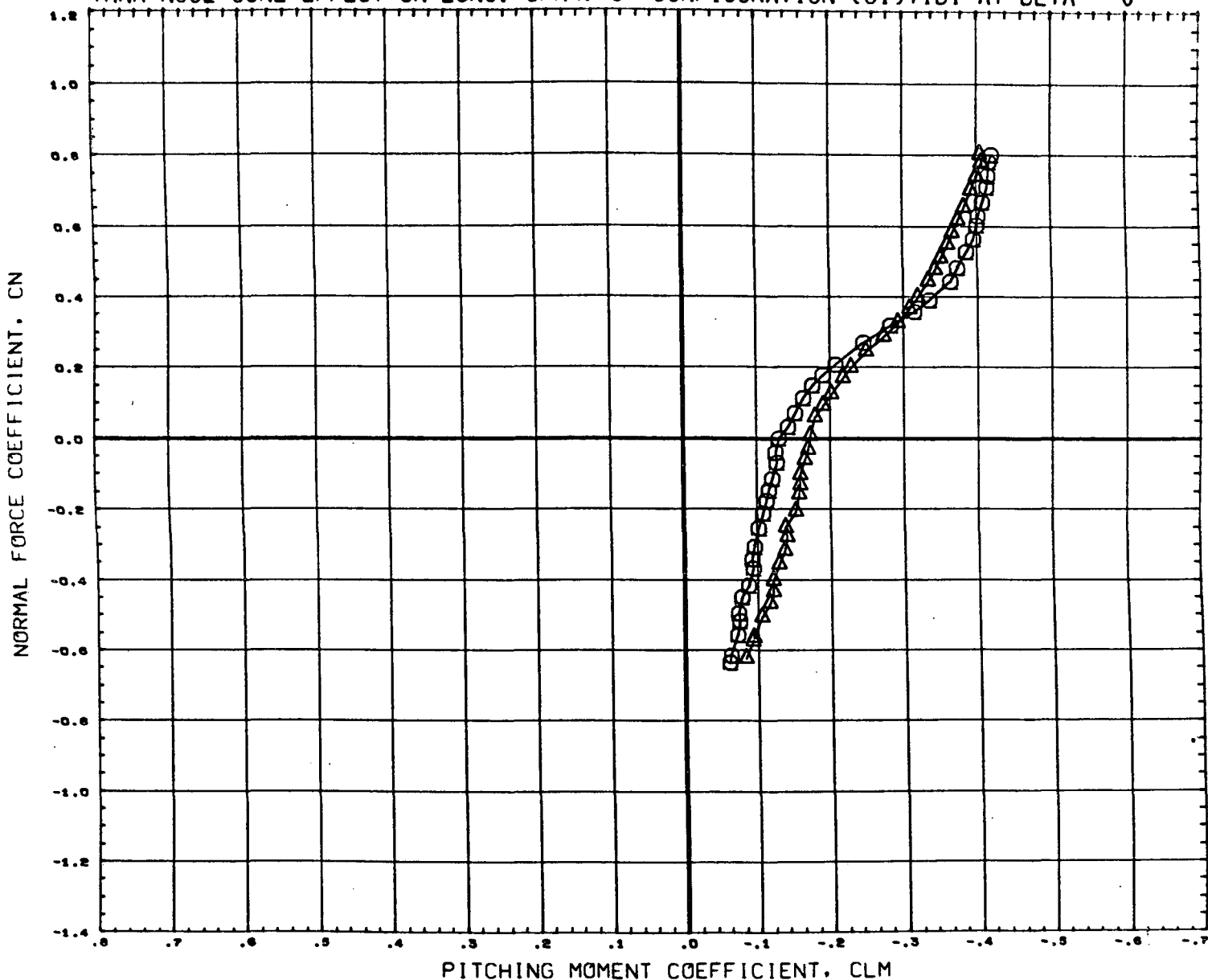


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7401)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1	0.000	0.000	0.000	0.000	SREF	3159.3040 SQ.FT.
(CD7450)	MDAC S-222 COMPOSITE (T-CG) (01)T2B1	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	662.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .59

PAGE 887

# TANK NOSE CONE EFFECT ON LONG. CHAR. OF CONFIGURATION (01)T1B1 AT BETA = 0



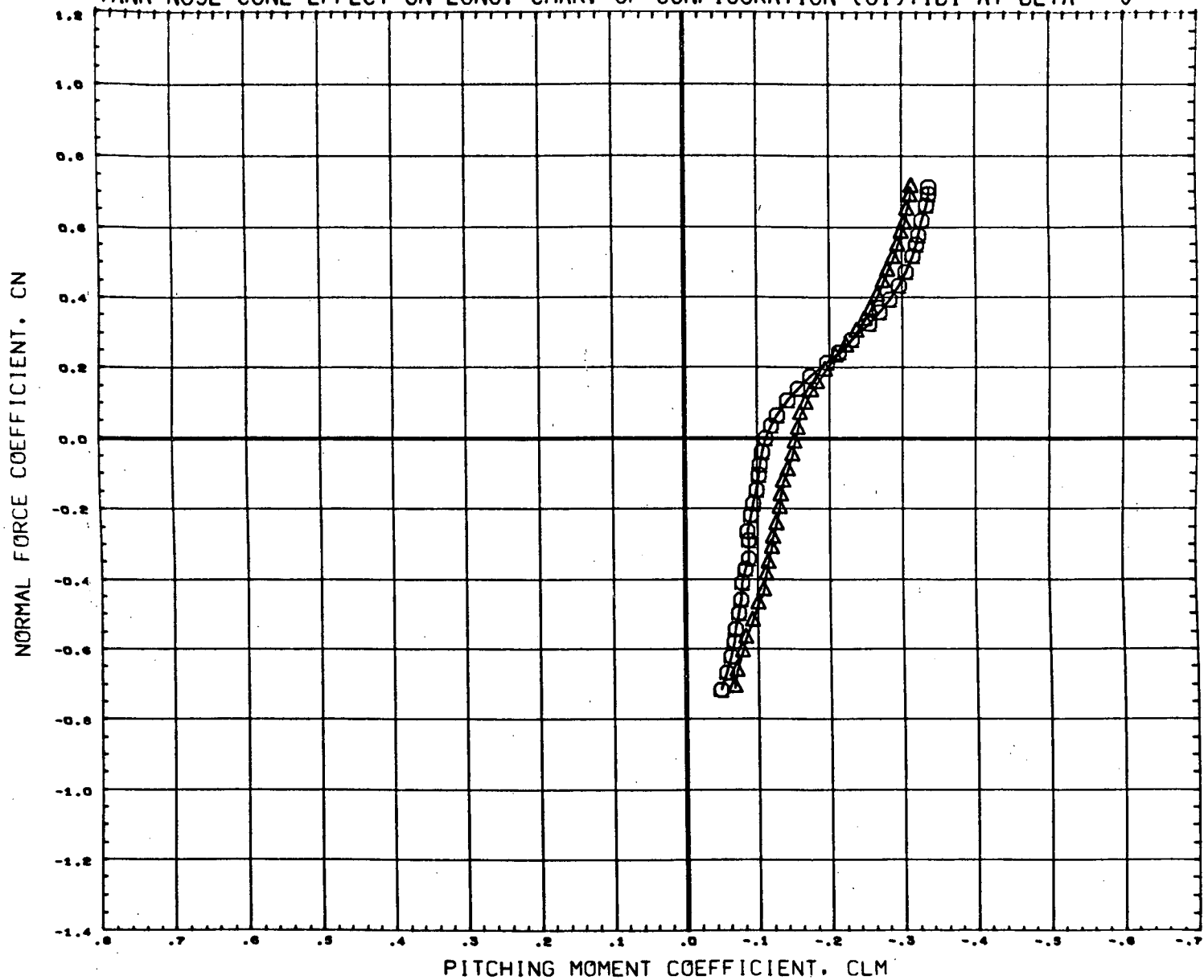
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7401) MDAC S-222 COMPOSITE (T-C6) (01)T1B1  
 (CD7450) MDAC S-222 COMPOSITE (T-C6) (01)T2B1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	662.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060


MACH .90


PAGE 888

# TANK NOSE CONE EFFECT ON LONG. CHAR. OF CONFIGURATION (01)T1B1 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7401)  MDAC S-222 COMPOSITE (T-CG) (01)T1B1

(CD7450)  MDAC S-222 COMPOSITE (T-CG) (01)T2B1

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

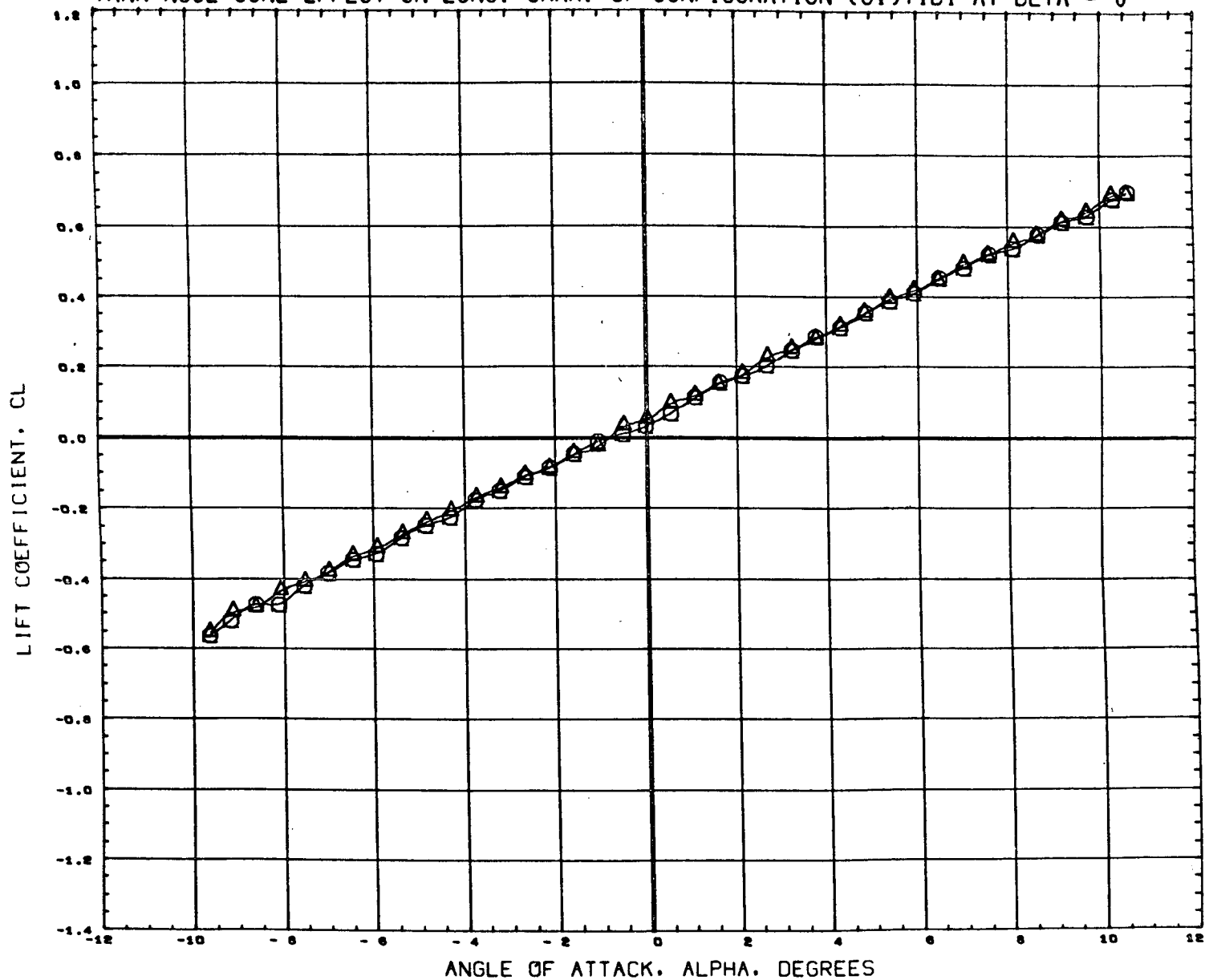
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	937.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH


1.10


PAGE 889

# TANK NOSE CONE EFFECT ON LONG. CHAR. OF CONFIGURATION (01)T1B1 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C07401)  MDAC S-222 COMPOSITE(T-CG) (01)T1B1

(C07450)  MDAC S-222 COMPOSITE(T-CG) (01)T2B1

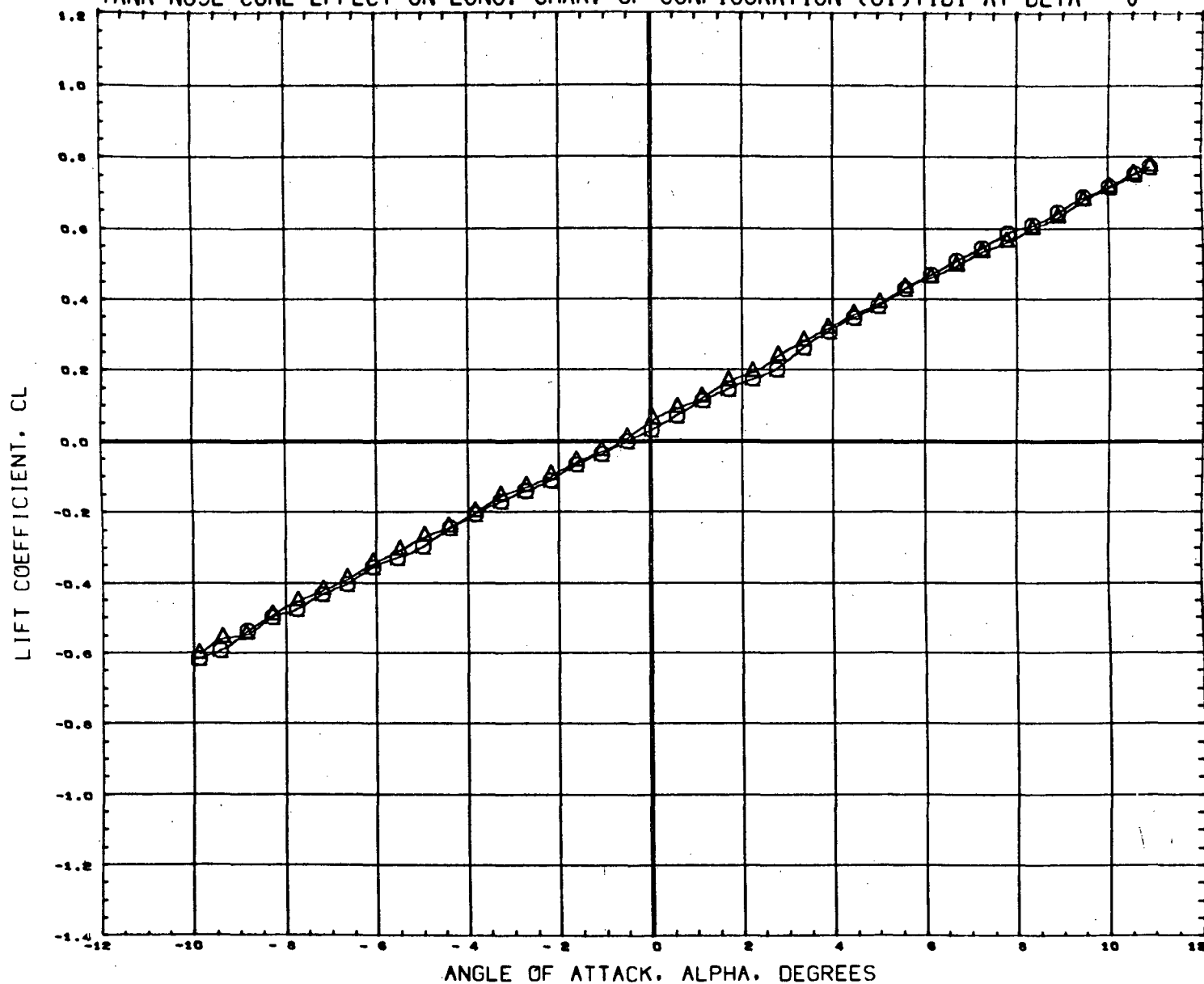
BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	862.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0080	

MACH .59

PAGE 890

# TANK NOSE CONE EFFECT ON LONG. CHAR. OF CONFIGURATION (01)T1B1 AT BETA = 0



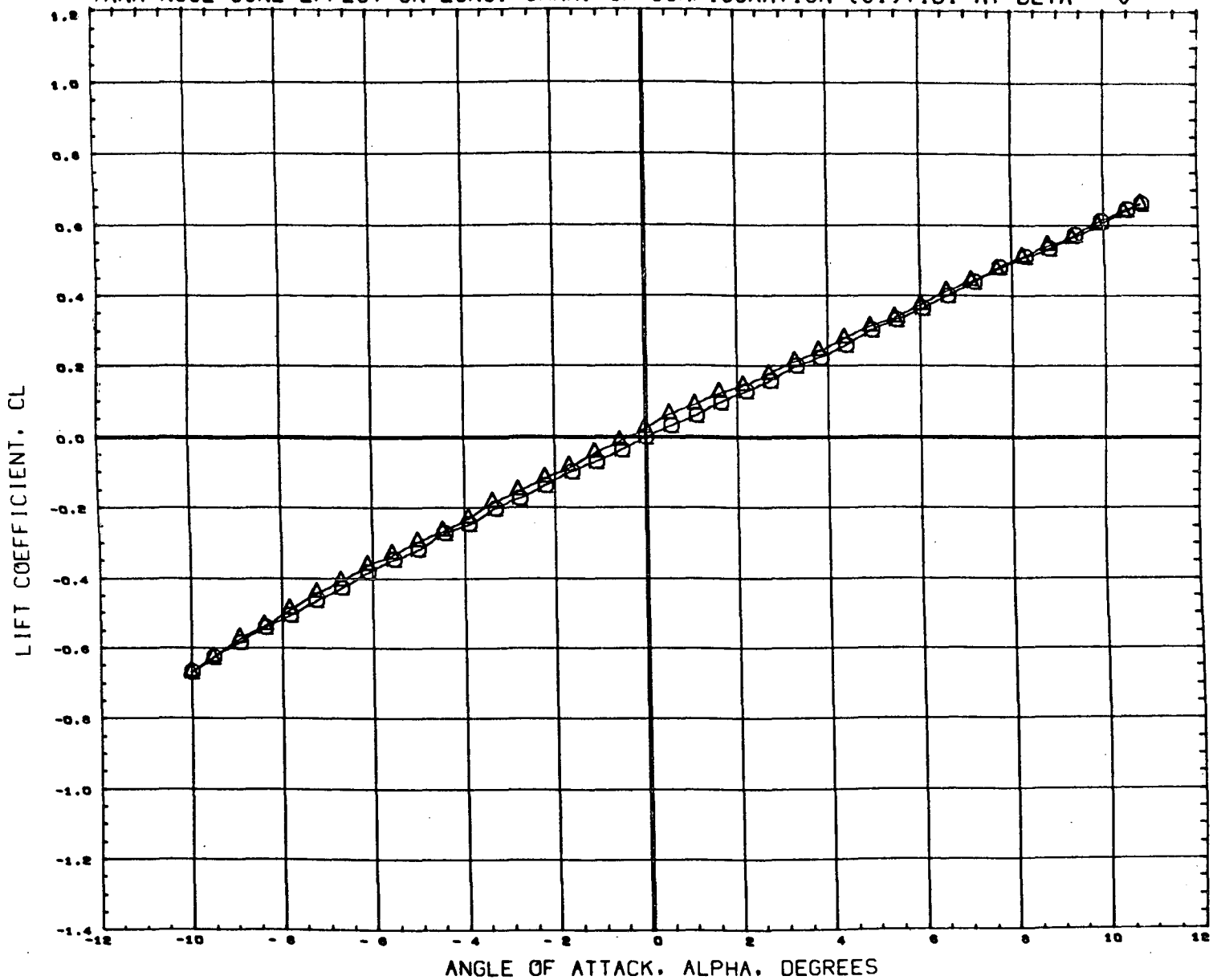
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7401)    MDAC S-222 COMPOSITE (T-C6) (01)T1B1  
 (CD7450)    MDAC S-222 COMPOSITE (T-C6) (01)T2B1

BETA	ELEVTR	ATLRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.9004 IN.
				BREF	882.0004 IN.
				XMRP	997.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .90

PAGE 891

# TANK NOSE CONE EFFECT ON LONG. CHAR. OF CONFIGURATION (01)T1B1 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7401) MDAC S-222 COMPOSITE (T-CG) (01)T1B1  
 (CD7450) MDAC S-222 COMPOSITE (T-CG) (01)T2B1

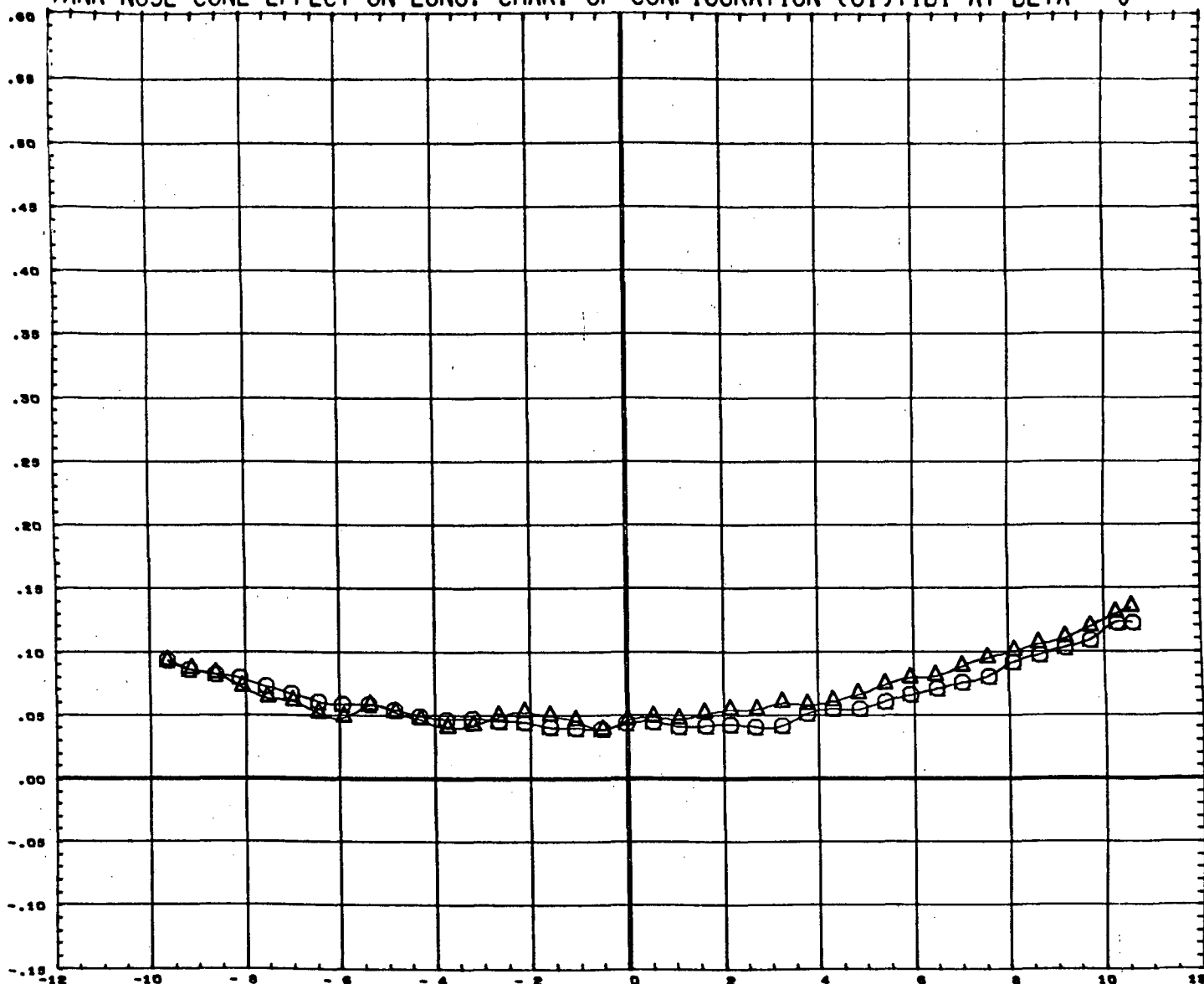
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	662.0004 IN.
				XMRP	597.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.10

PAGE 892

# TANK NOSE CONE EFFECT ON LONG. CHAR. OF CONFIGURATION (01)T1B1 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7401)	MDAC S-222 COMPOSITE(T-C6) (01)T1B1
(CD7450)	MDAC S-222 COMPOSITE(T-C6) (01)T2B1

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.9004	IN.
BREF	882.0004	IN.
XMRP	997.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

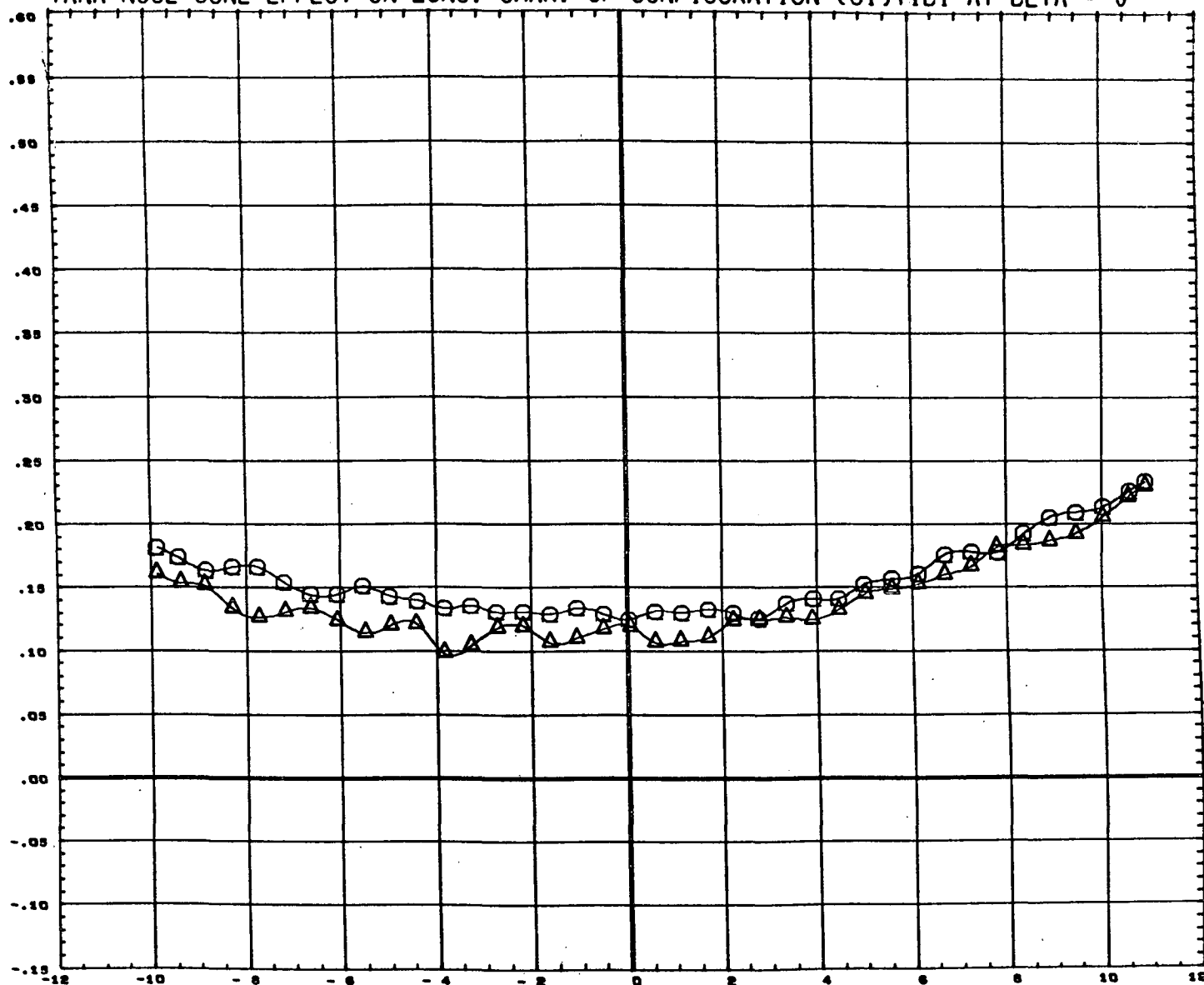
MACH

.59

PAGE 893

# TANK NOSE CONE EFFECT ON LONG. CHAR. OF CONFIGURATION (01)T1B1 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



ANGLE OF ATTACK, ALPHA, DEGREES

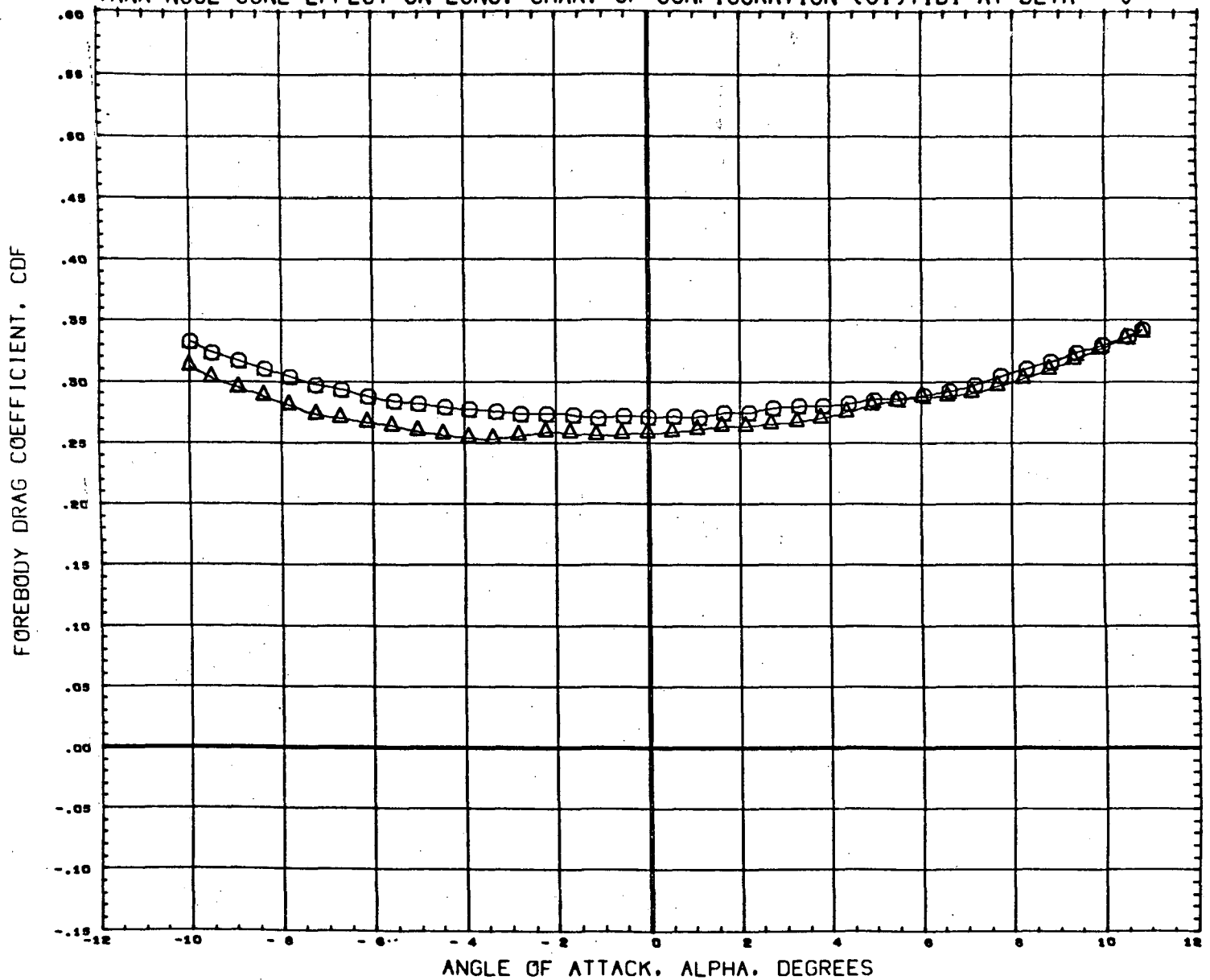
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07401)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07490)	MDAC S-222 COMPOSITE (T-CG) (01)T2B1	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	662.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90



PAGE 894



# TANK NOSE CONE EFFECT ON LONG. CHAR. OF CONFIGURATION (01)T1B1 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7401)  MDAC S-222 COMPOSITE(T-CG) (01)T1B1  
(CD7450)  MDAC S-222 COMPOSITE(T-CG) (01)T2B1

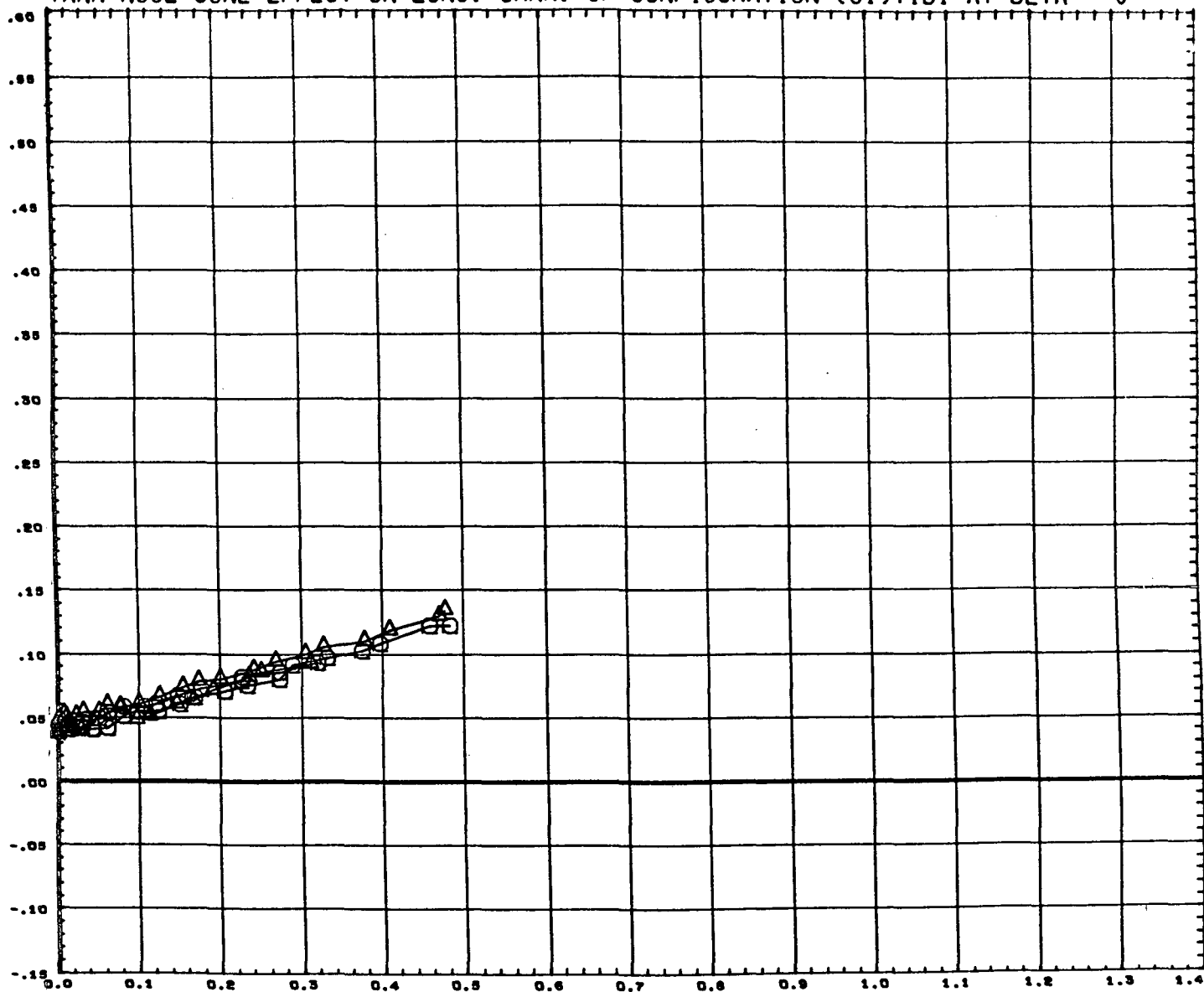
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	862.0004 IN.
				XMRP	857.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH

1.10

PAGE 895

## TANK NOSE CONE EFFECT ON LONG. CHAR. OF CONFIGURATION (01)T1B1 AT BETA = 0



LIFT COEFFICIENT SQUARED, CLSQR

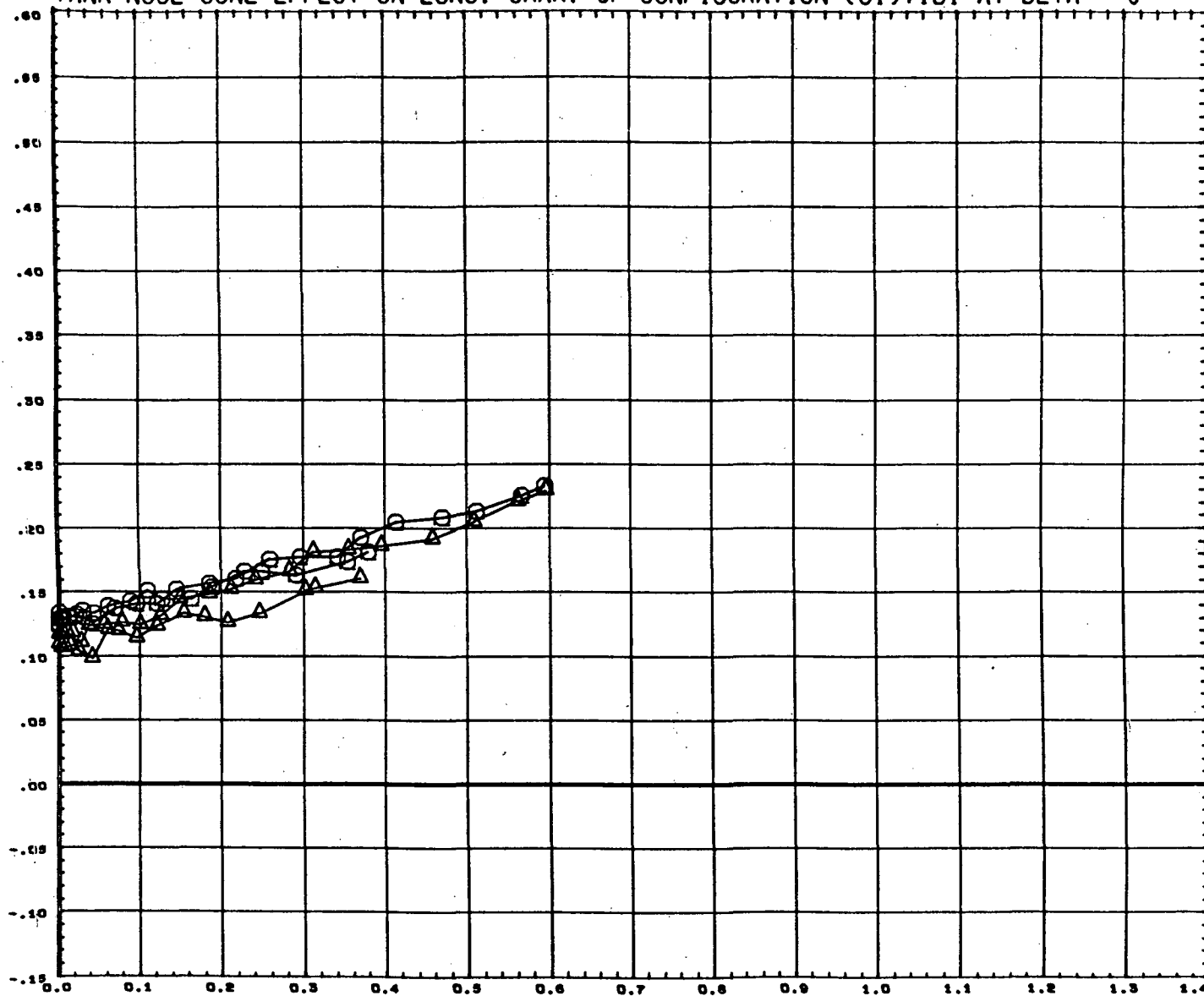
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7401) (01)T1B1  
 (CD7450) (01)T2B1

BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 0.000 0.000 0.000 0.000

REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.3004 IN.  
 BREF 662.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

# TANK NOSE CONE EFFECT ON LONG. CHAR. OF CONFIGURATION (01)T1B1 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQR

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7401) MDAC S-222 COMPOSITE (T-C6) (01)T1B1  
(CD7450) MDAC S-222 COMPOSITE (T-C6) (01)T2B1

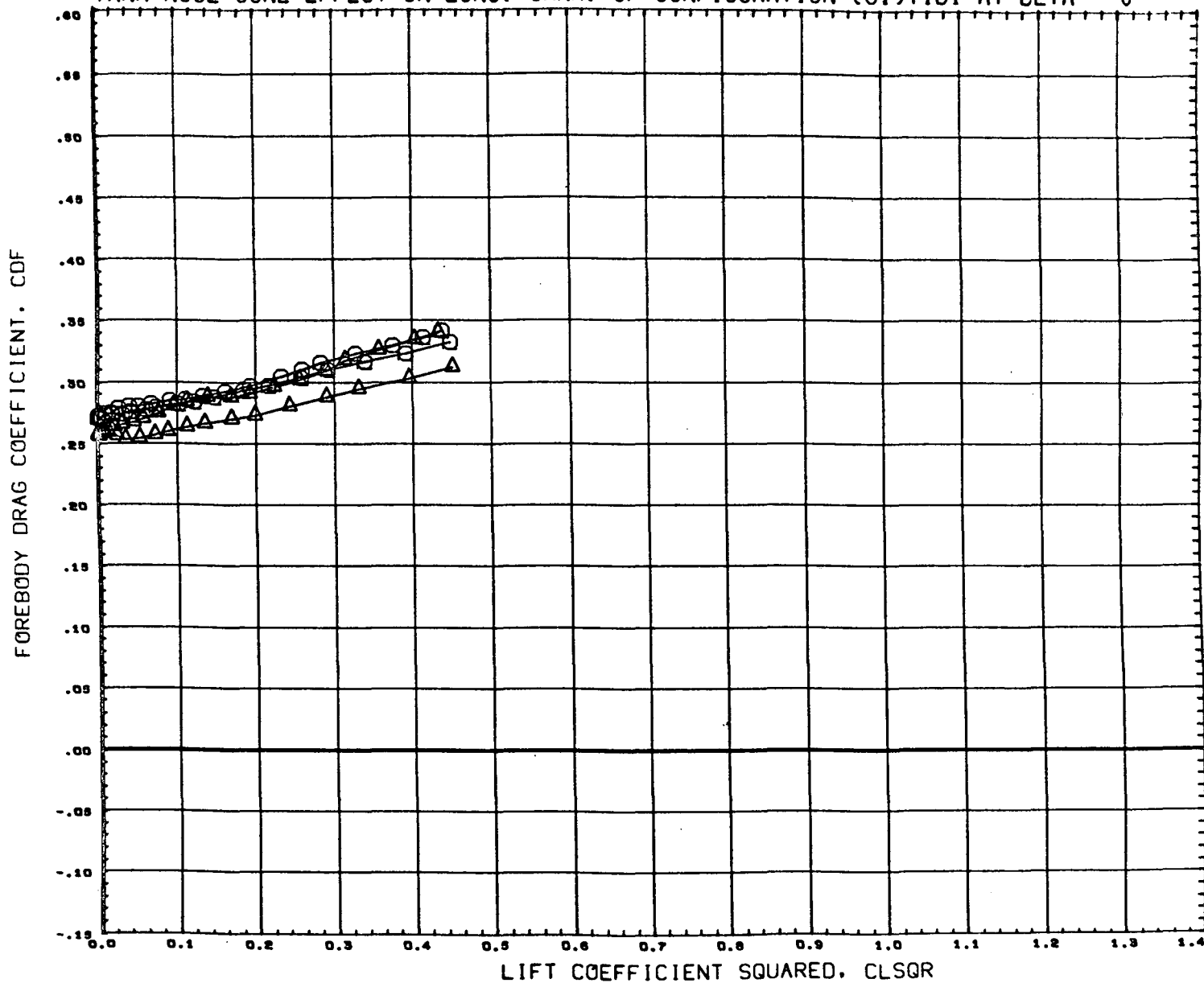
BETA ELEVTR AILRON RUDDER  
0.000 0.000 0.000 0.000  
0.000 0.000 0.000 0.000

REFERENCE INFORMATION  
SREF 3155.3040 SQ.FT.  
LREF 609.5004 IN.  
BREF 682.0004 IN.  
XMRP 597.0004 IN.  
YMRP 0.0000 IN.  
ZMRP 200.0004 IN.  
SCALE 0.0060

MACH .90

PAGE 897

# TANK NOSE CONE EFFECT ON LONG. CHAR. OF CONFIGURATION (01)T1B1 AT BETA = 0

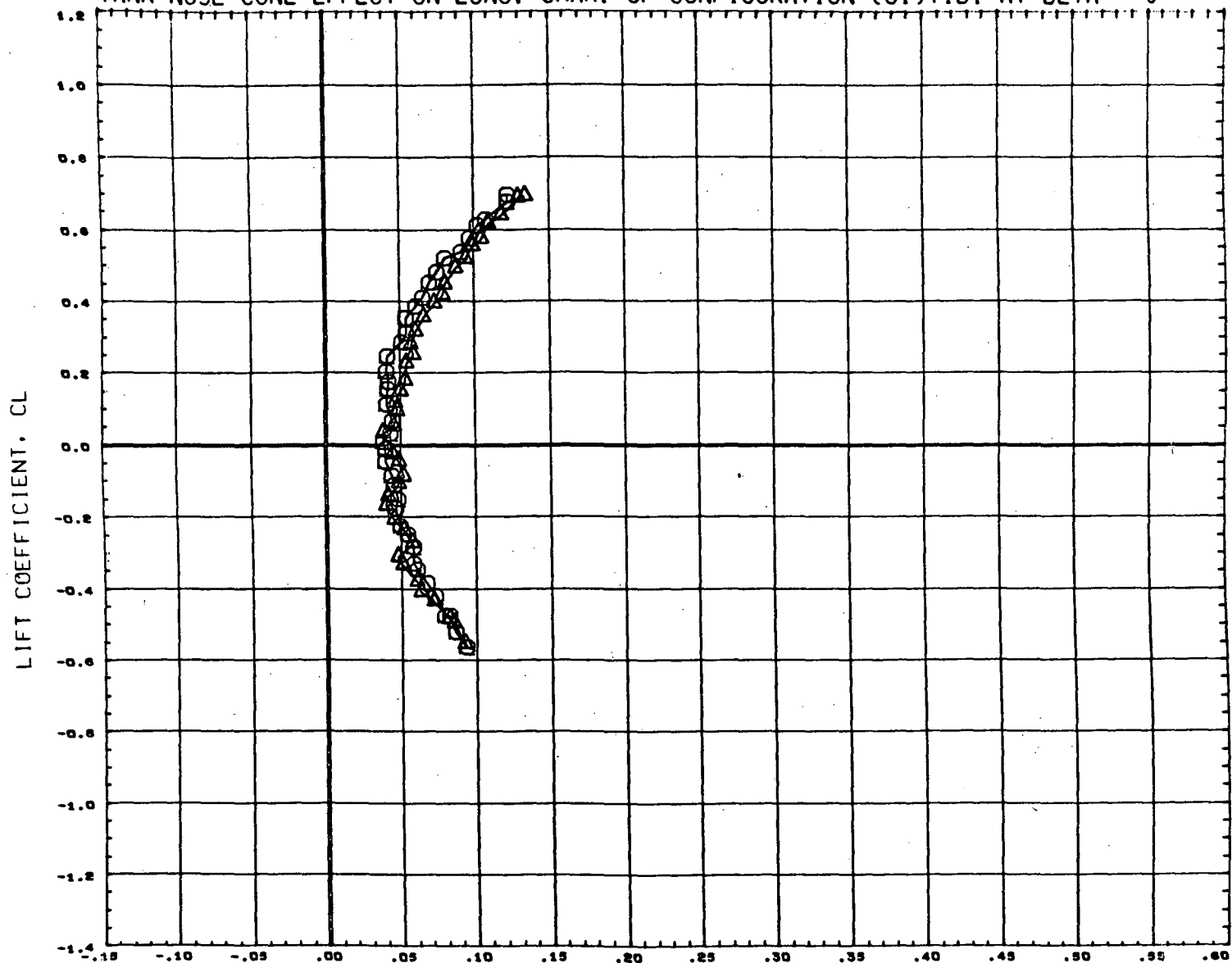


DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7401) MDAC S-222 COMPOSITE (T-CG) (01)T1B1  
 (CD7450) MDAC S-222 COMPOSITE (T-CG) (01)T2B1

BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 0.000 0.000 0.000 0.000

REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 662.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

# TANK NOSE CONE EFFECT ON LONG. CHAR. OF CONFIGURATION (01)T1B1 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7401)	MDAC S-222 COMPOSITE(T-CG) (01)T1B1
(CD7450)	MDAC S-222 COMPOSITE(T-CG) (01)T2B1

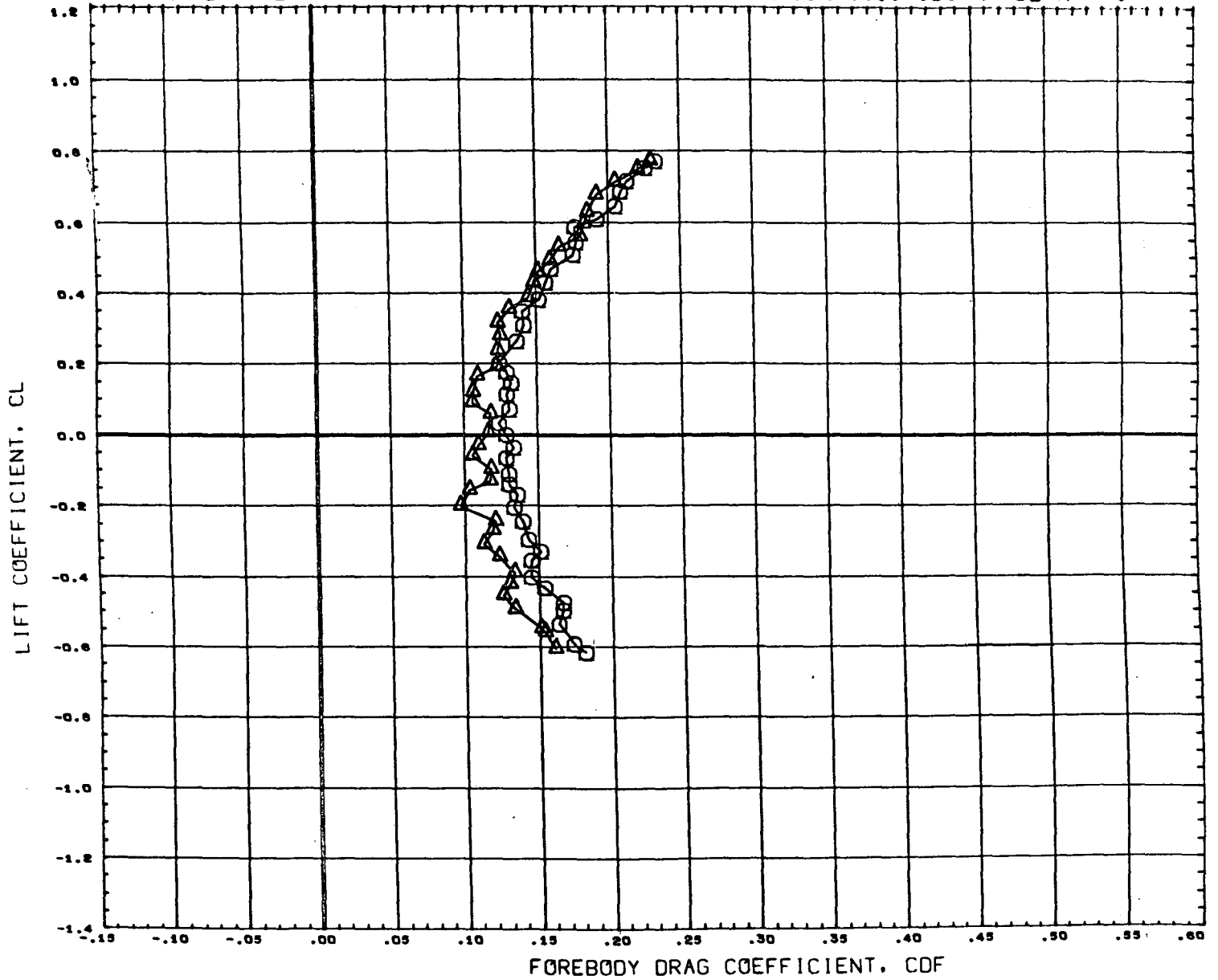
## FOREBODY DRAG COEFFICIENT, CDF

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.9004 IN.
				BREF	862.0004 IN.
				XMRP	537.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .59

PAGE 899

# TANK NOSE CONE EFFECT ON LONG. CHAR. OF CONFIGURATION (01)T1B1 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7401)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1
(CD7450)	MDAC S-222 COMPOSITE (T-CG) (01)T2B1

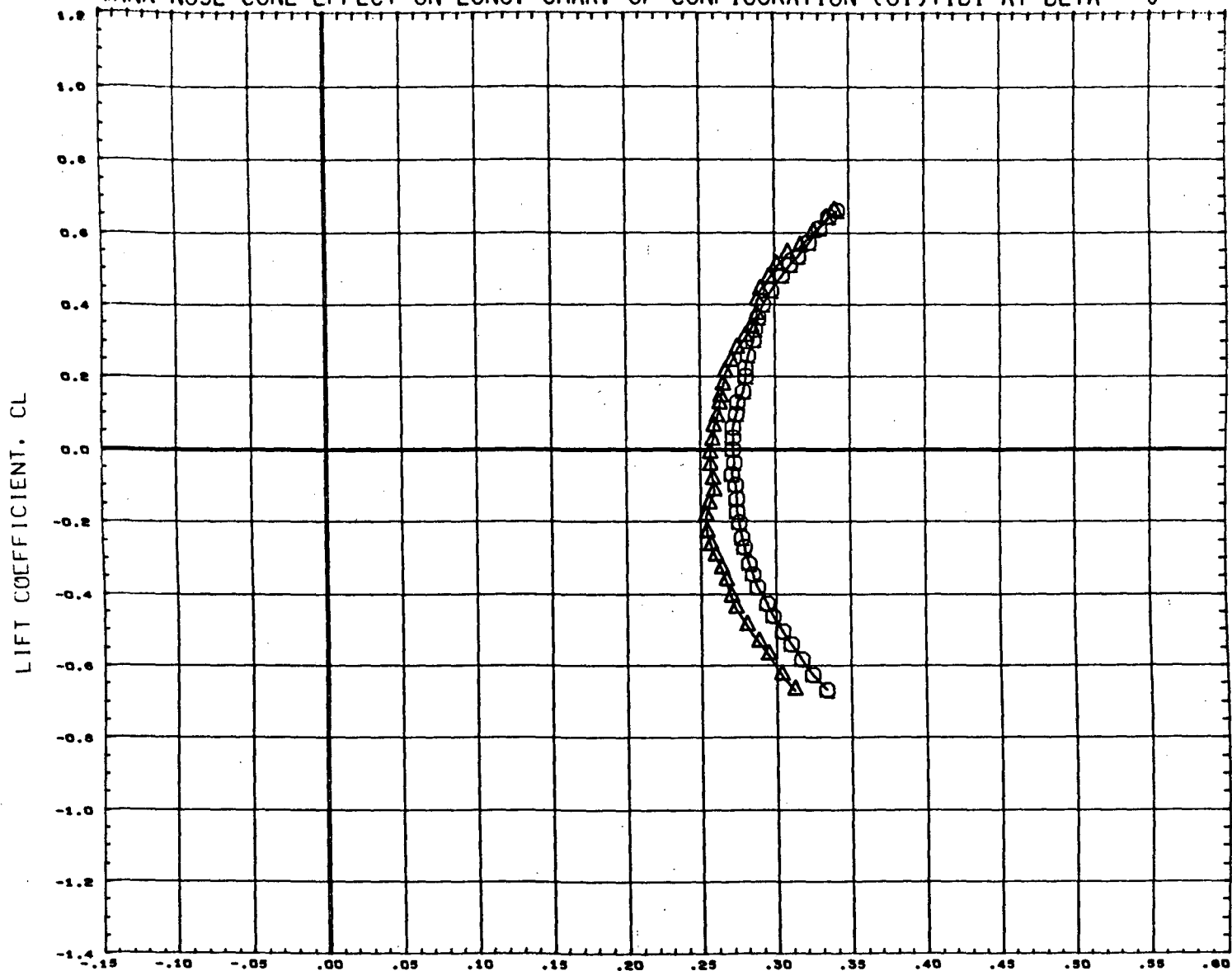
BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH .90

PAGE 900

# TANK NOSE CONE EFFECT ON LONG. CHAR. OF CONFIGURATION (01)T1B1 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7401) MDAC S-222 COMPOSITE (T-CG) (01)T1B1  
 (CD7450) MDAC S-222 COMPOSITE (T-CG) (01)T2B1

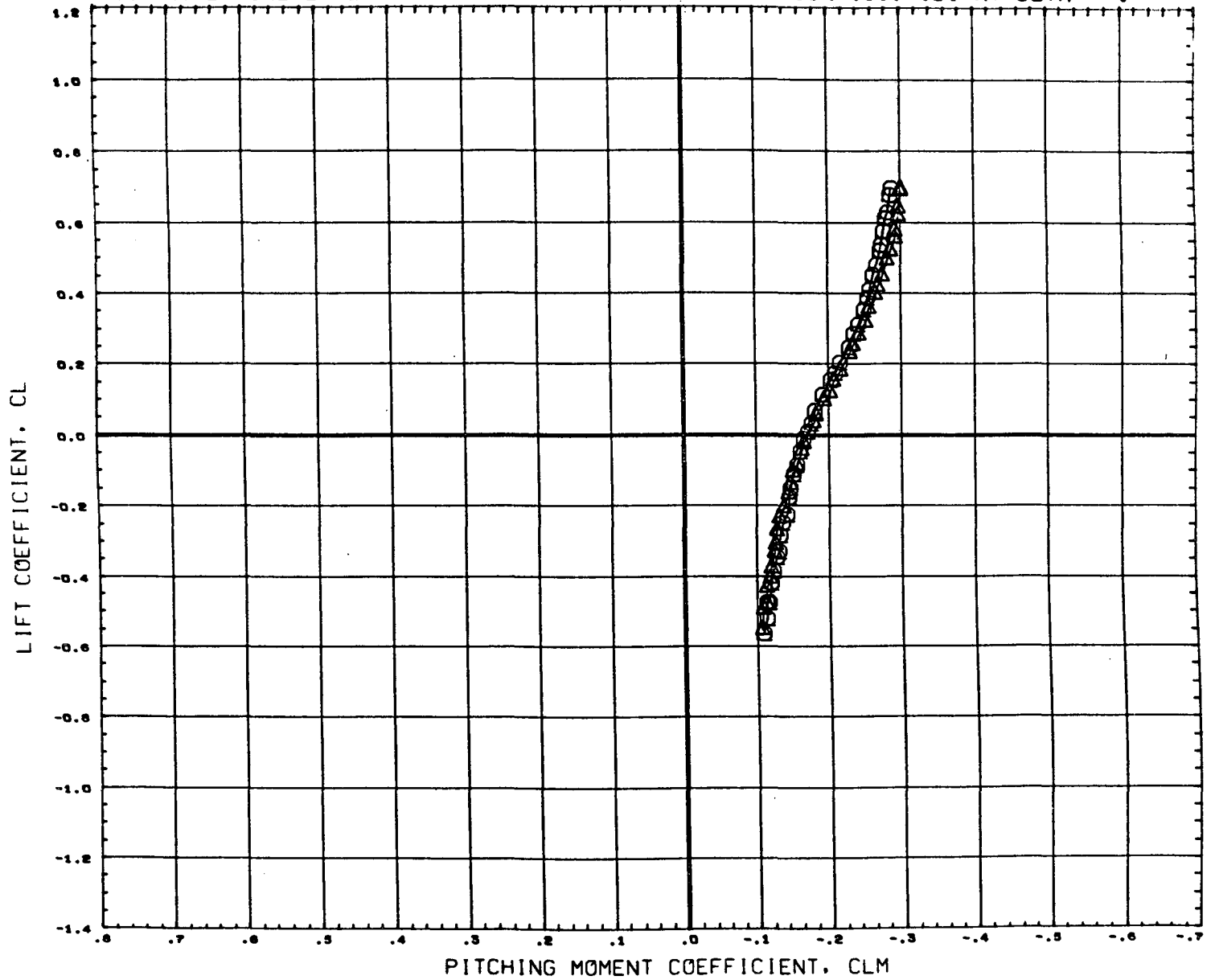
BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 0.000 0.000 0.000 0.000

REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 662.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH 1.10

PAGE 901

# TANK NOSE CONE EFFECT ON LONG. CHAR. OF CONFIGURATION (01)T1B1 AT BETA = 0



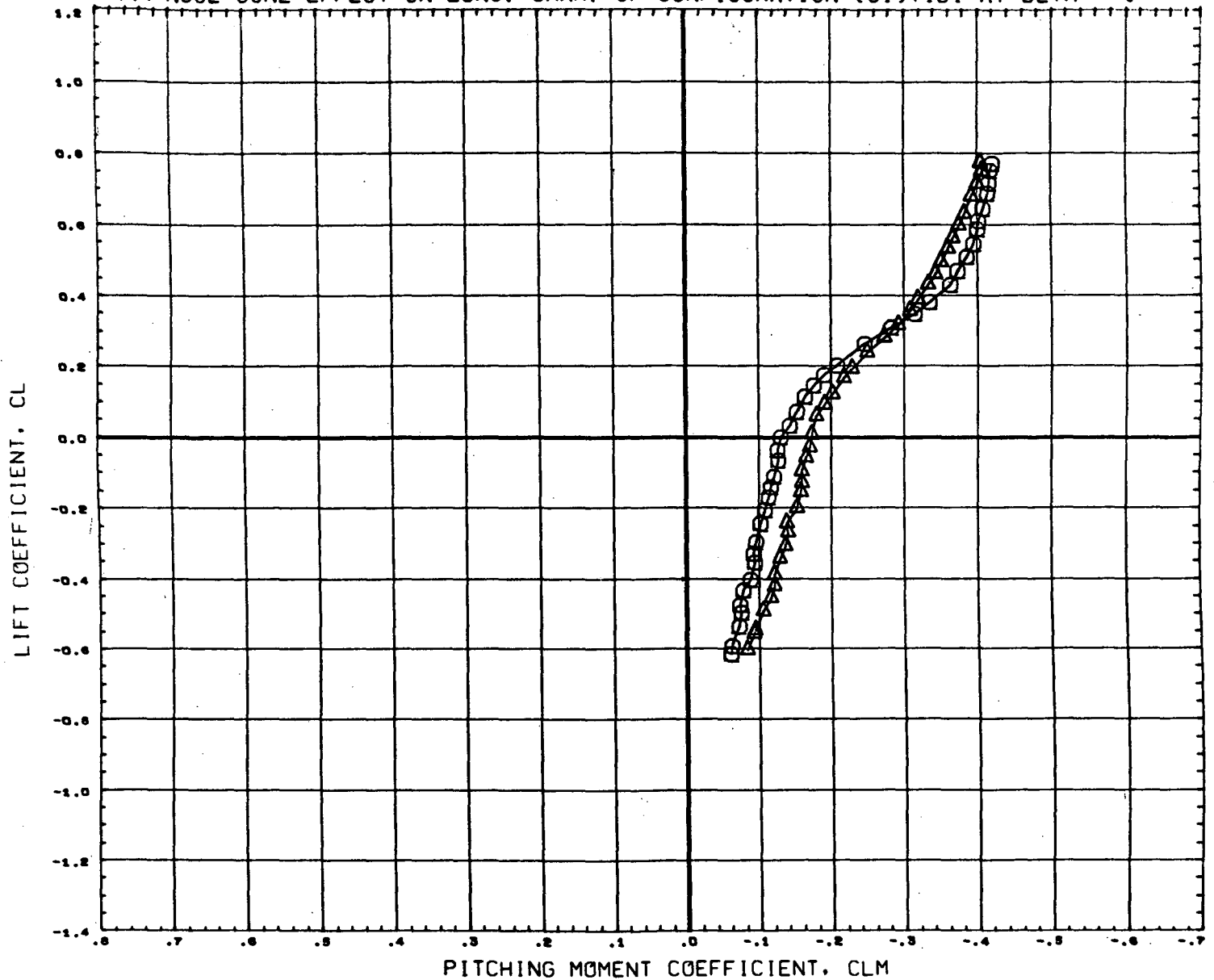
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7401)	MDAC S-222 COMPOSITE (T-CG) (01)T1B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7450)	MDAC S-222 COMPOSITE (T-CG) (01)T2B1	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	682.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .59



PAGE 902



# TANK NOSE CONE EFFECT ON LONG. CHAR. OF CONFIGURATION (01)T1B1 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C07401)  MDAC S-222 COMPOSITE (T-CG) (01)T1B1  
 (C07450)  MDAC S-222 COMPOSITE (T-CG) (01)T2B1

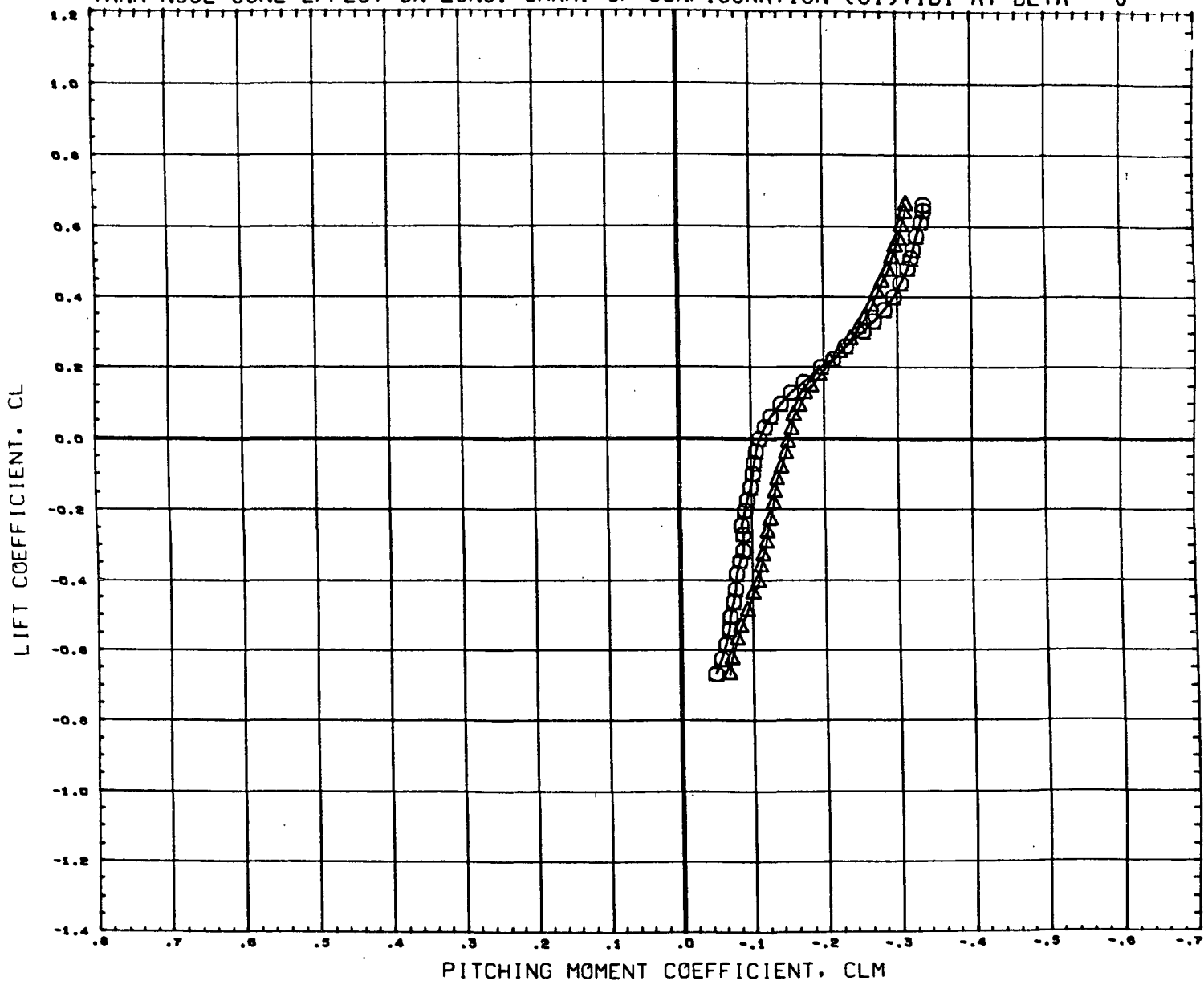
BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION	
SREF	3155.3040 SQ.FT.
LREF	609.5004 IN.
BREF	862.0004 IN.
XMRP	537.0004 IN.
YMRP	0.0000 IN.
ZMRP	200.0004 IN.
SCALE	0.0060

MACH .90

PAGE 903

# TANK NOSE CONE EFFECT ON LONG. CHAR. OF CONFIGURATION (01)T1B1 AT BETA = 0



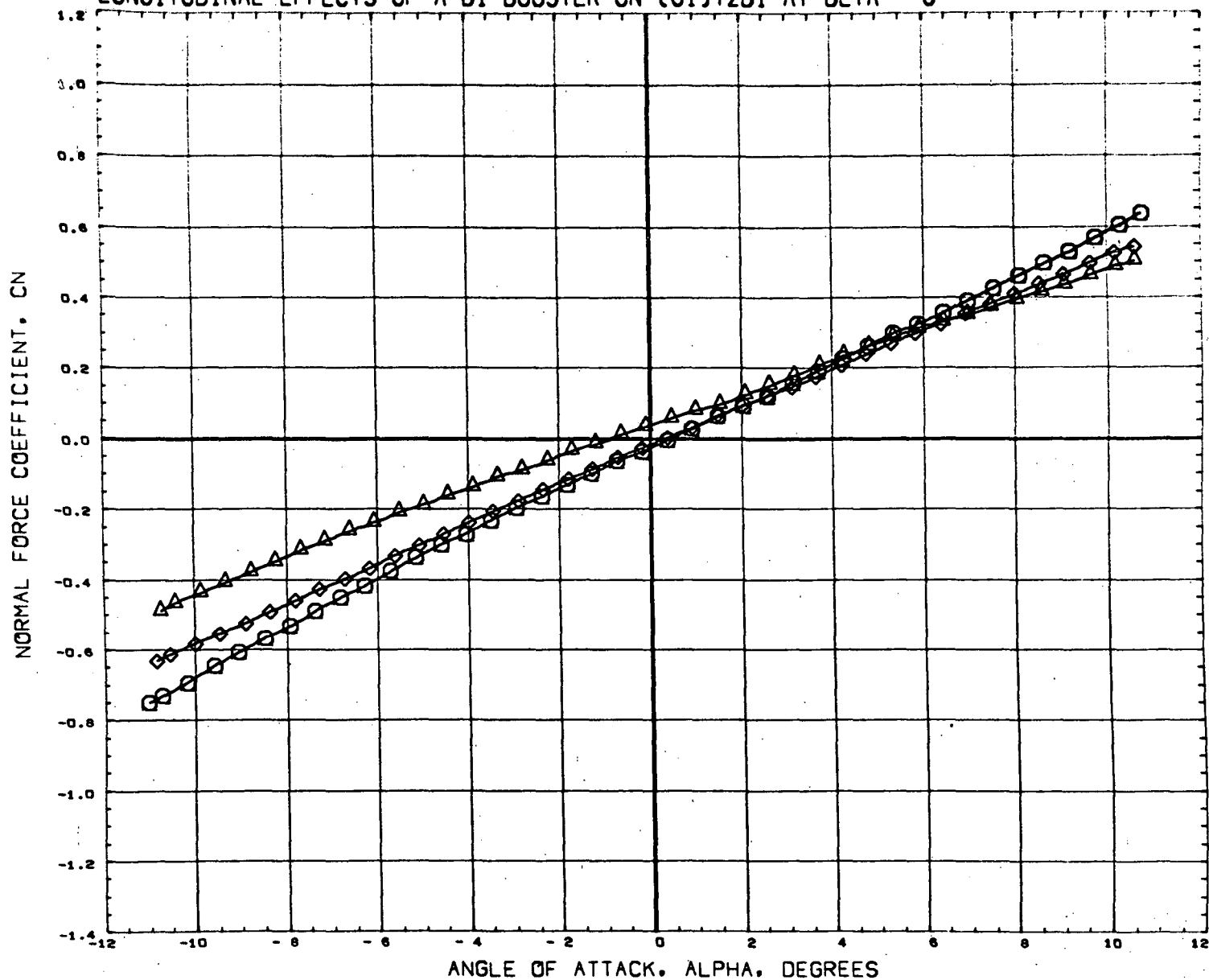
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7401) MDAC S-222 COMPOSITE (T-CG) (01)T1B1  
 (CD7450) MDAC S-222 COMPOSITE (T-CG) (01)T2B1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0080

MACH 1.10

PAGE 904

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T2B1 AT BETA = 6

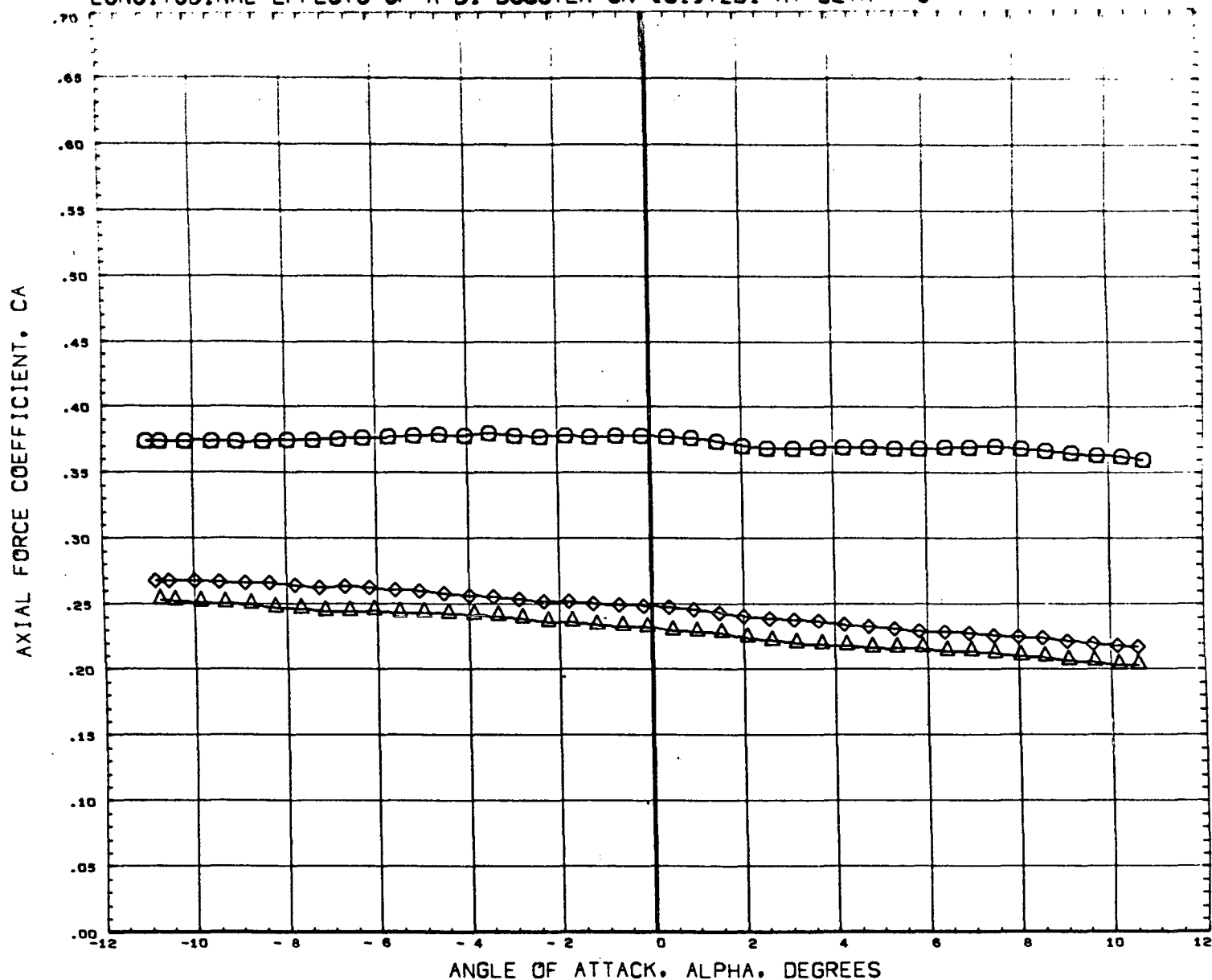


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7452)	MDAC S-222 COMPOSITE (T-CG) (01)T2B1	6.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD7453)	MDAC S-222 COMPOSITE (T-CG) (01)T2B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004	IN.
(CD7459)	MDAC S-222 COMPOSITE (T-CG) (01)T2 (B1L)B1R	6.000	0.000	0.000	0.000	SREF	882.0004	IN.
						XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH 2.20

PAGE 905

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T2B1 AT BETA = 6

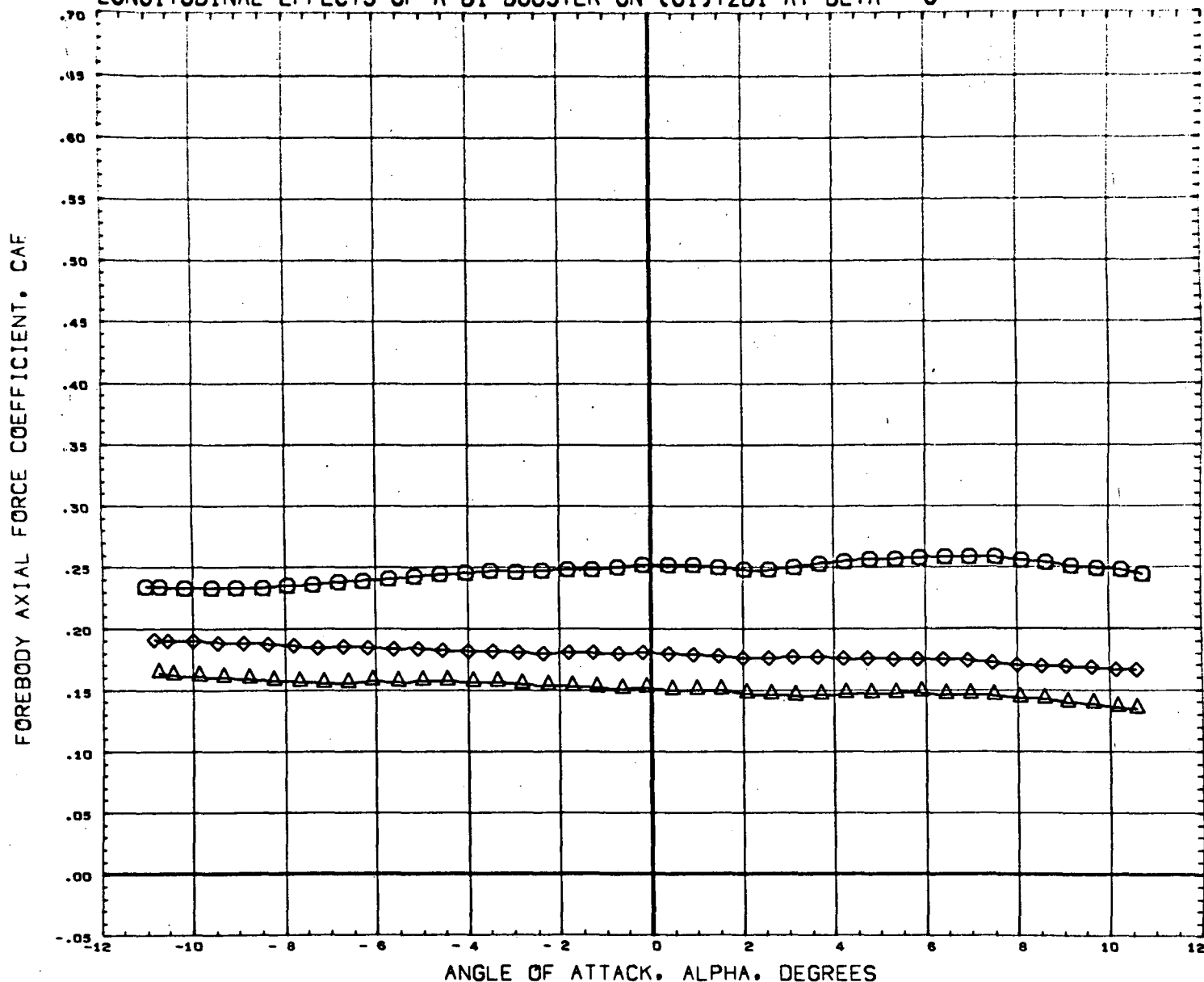


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7452)	MDAC S-222 COMPOSITE (T-CG) (O1)T2B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7453)	MDAC S-222 COMPOSITE (T-CG) (O1)T2B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7459)	MDAC S-222 COMPOSITE (T-CG) (O1)T2 (B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 906

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T2B1 AT BETA = 6

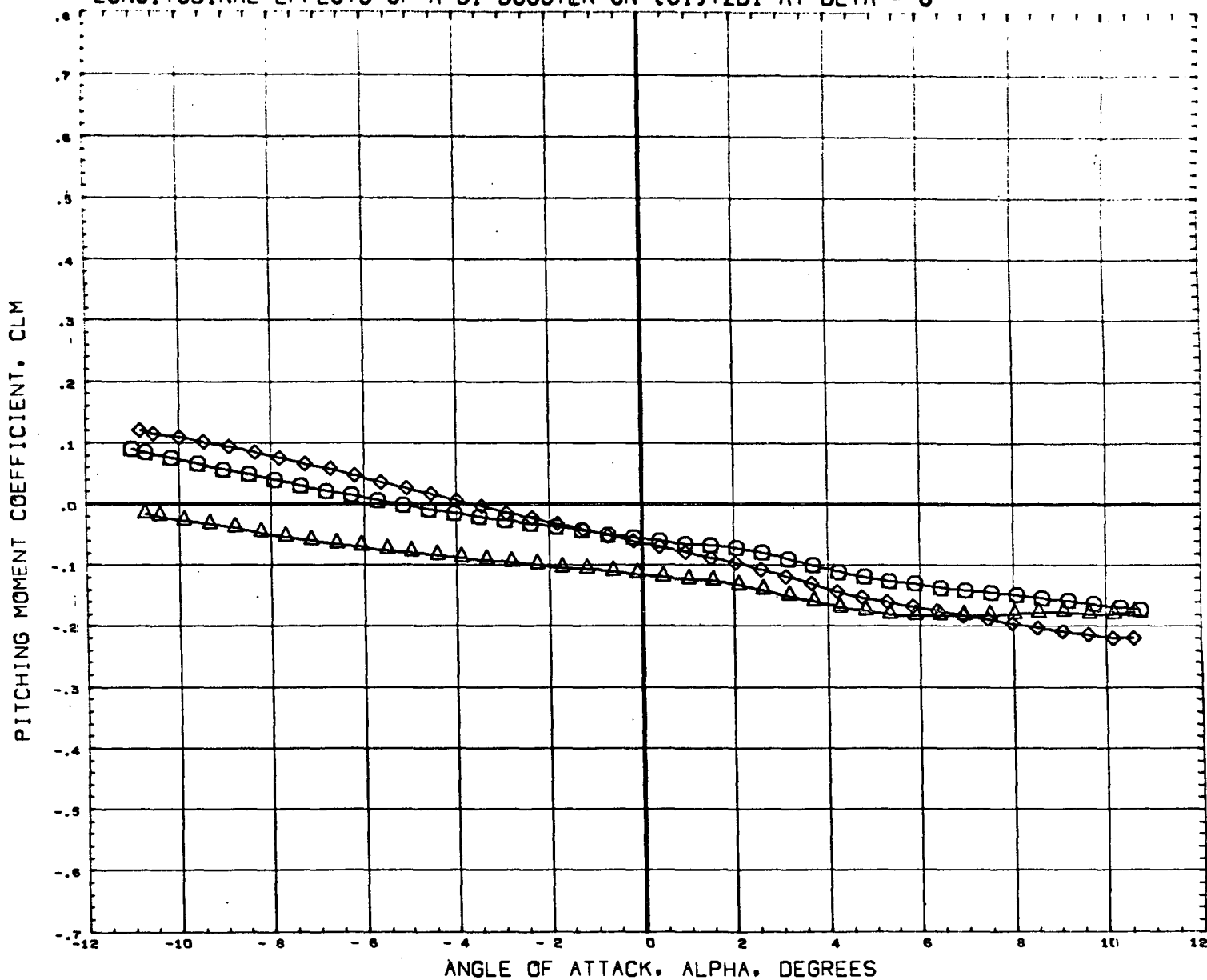


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7452)	MDAC S-222 COMPOSITE (T-CG) (01)T2B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7453)	MDAC S-222 COMPOSITE (T-CG) (01)T2B1L(B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7459)	MDAC S-222 COMPOSITE (T-CG) (01)T2(B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 907

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T2B1 AT BETA = 6

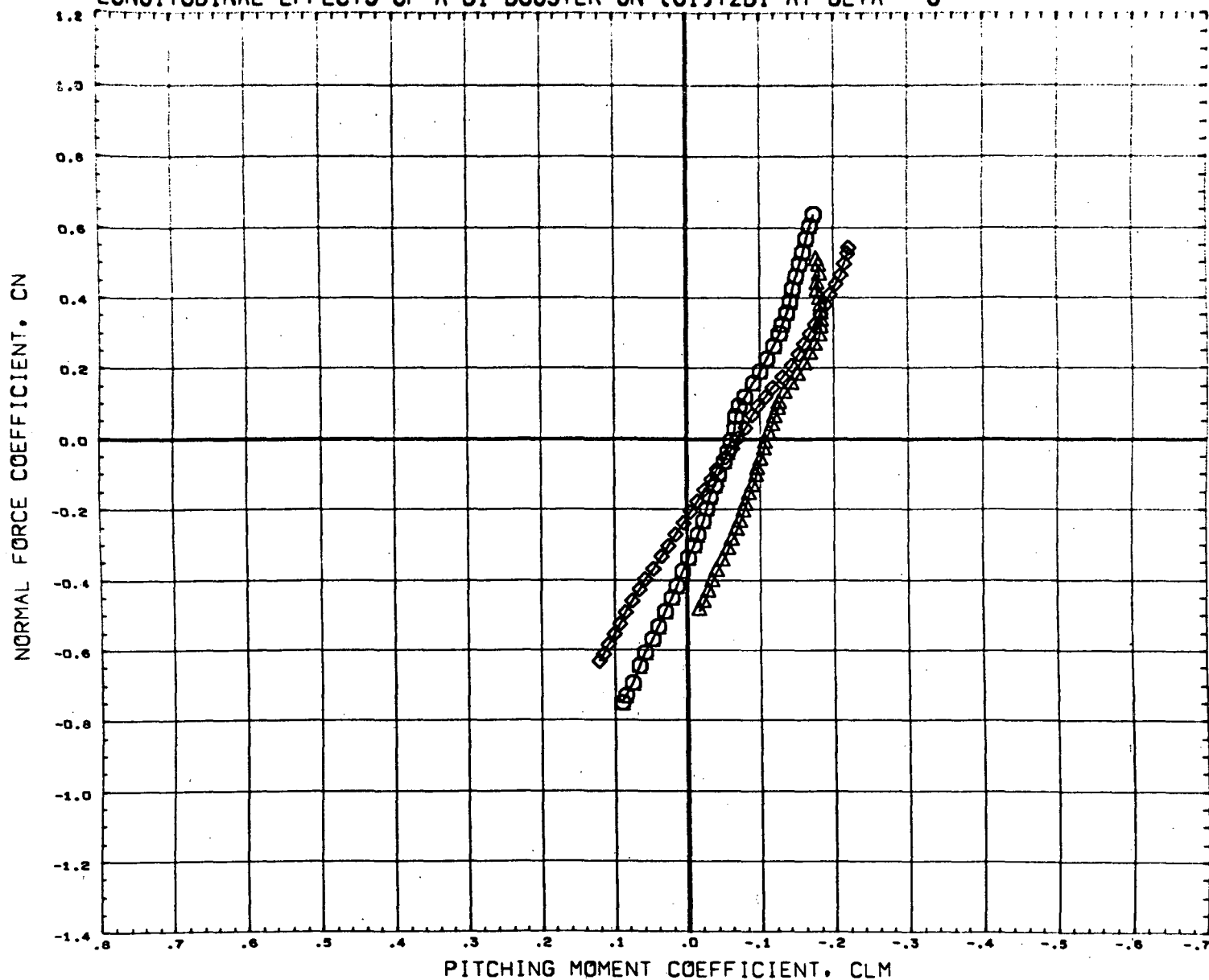


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07432)	MDAC S-222 COMPOSITE (T-CG) (01)T2B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07453)	MDAC S-222 COMPOSITE (T-CG) (01)T2B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(C07459)	MDAC S-222 COMPOSITE (T-CG) (01)T2(B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMHP	557.0004 IN.
						YMHP	0.0000 IN.
						ZMHP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 908

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T2B1 AT BETA = 6



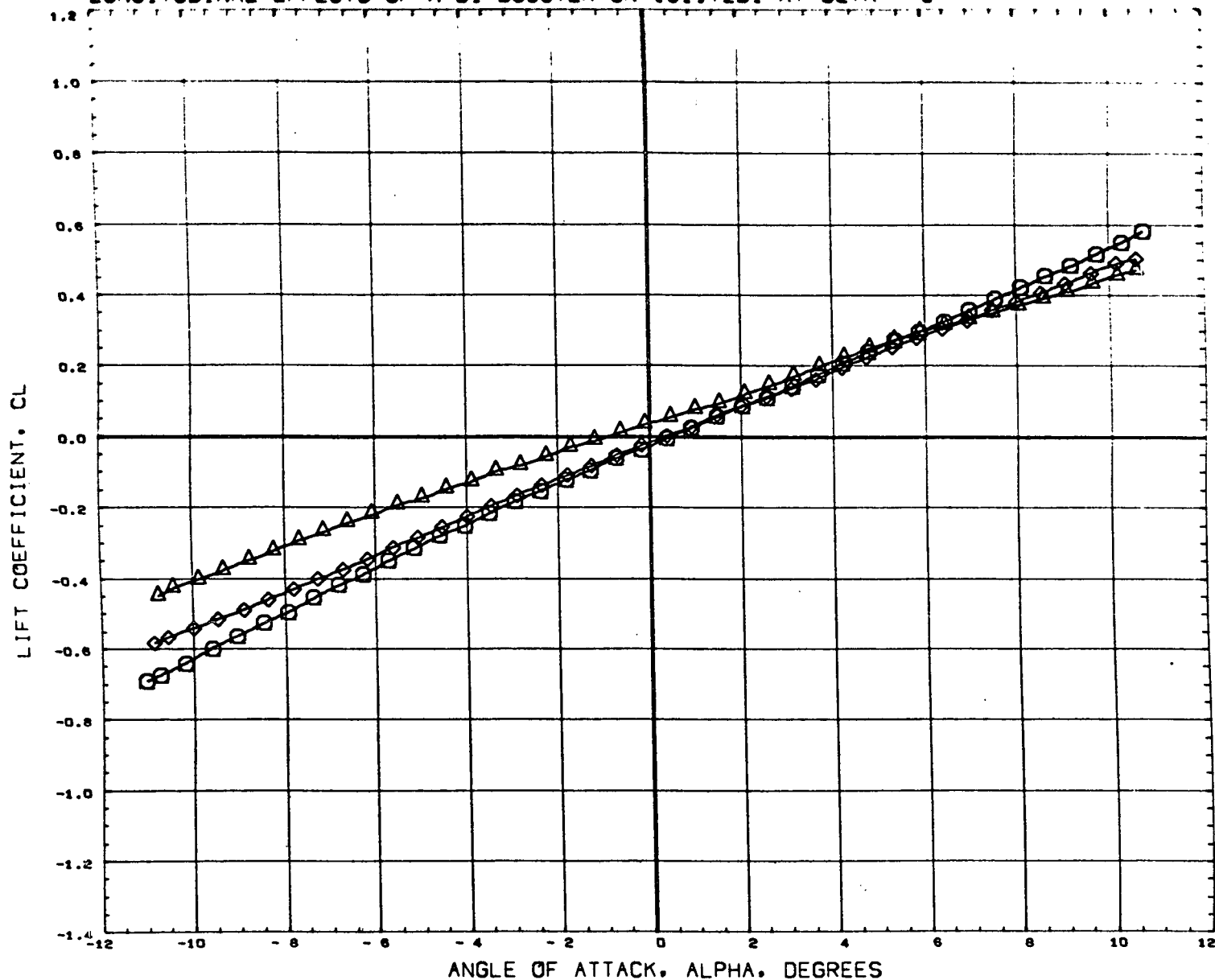
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7452)	MDAC S-222 COMPOSITE (T-CG) (O1) T2B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7453)	MDAC S-222 COMPOSITE (T-CG) (O1) T2B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7459)	MDAC S-222 COMPOSITE (T-CG) (O1) T2 (B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH

2.20

PAGE 909

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T2B1 AT BETA = 6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07452)	MDAC S-222 COMPOSITE (T-CG) (01) T2B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07453)	MDAC S-222 COMPOSITE (T-CG) (01) T2B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(C07459)	MDAC S-222 COMPOSITE (T-CG) (01) T2 (B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

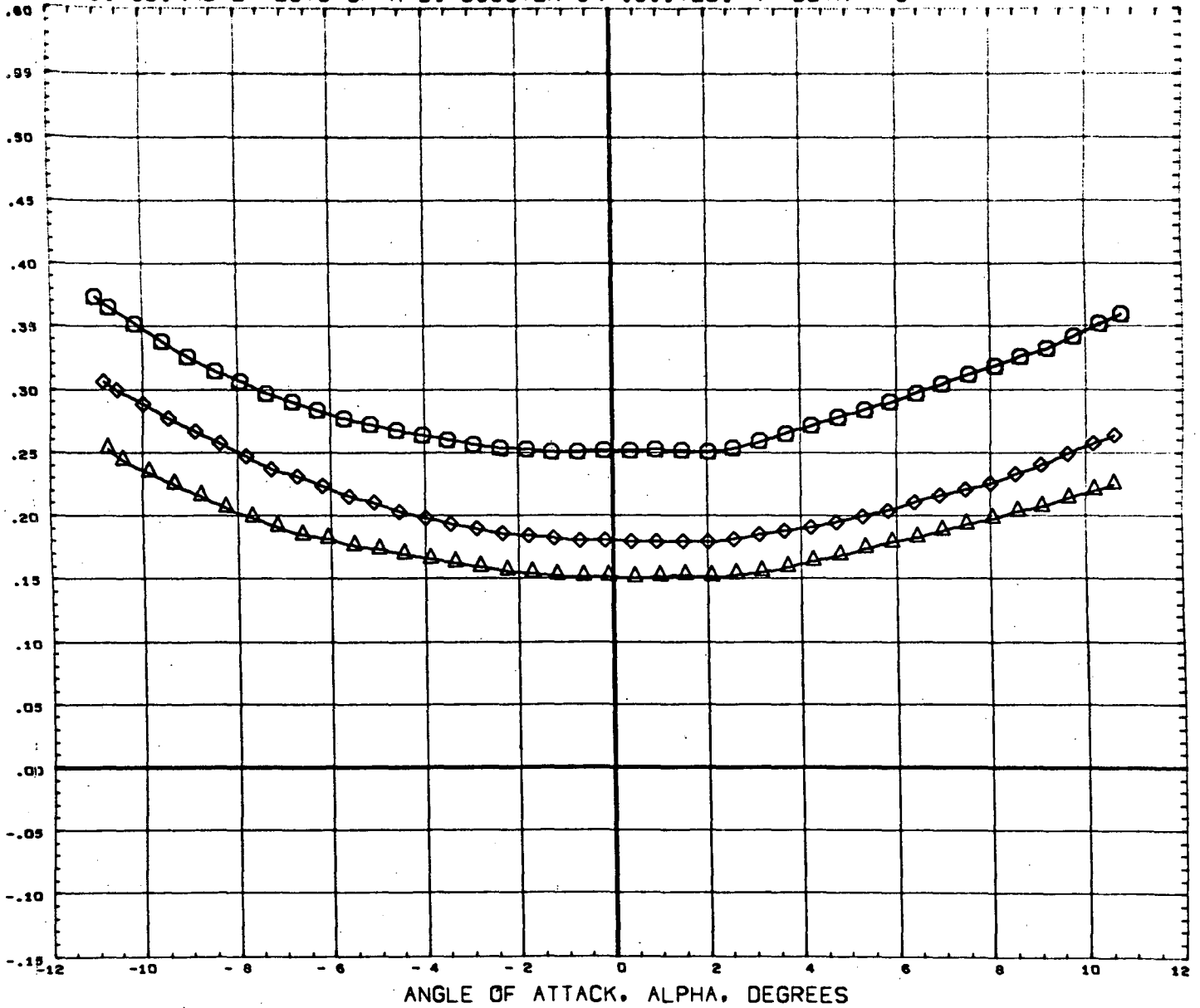
MACH 2.20

PAGE 910



# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T2B1 AT BETA = 6

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7452)	MDAC S-222 COMPOSITE (T-CG) (01) T2B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7453)	MDAC S-222 COMPOSITE (T-CG) (01) T2B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7459)	MDAC S-222 COMPOSITE (T-CG) (01) T2 (B1L) B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

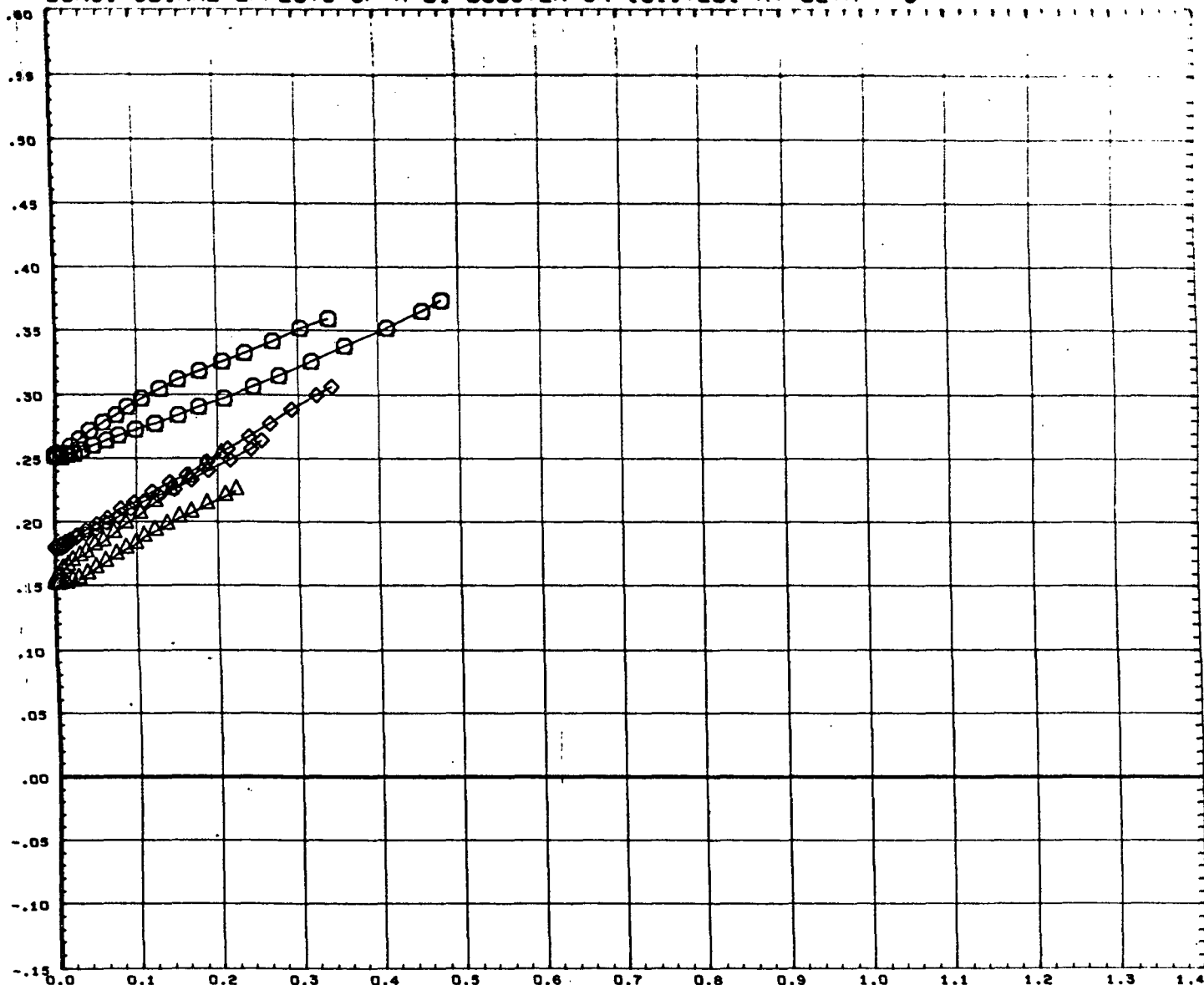
MACH

2.20

PAGE 911

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T2B1 AT BETA = 6

FOREBODY DRAG COEFFICIENT, CDF



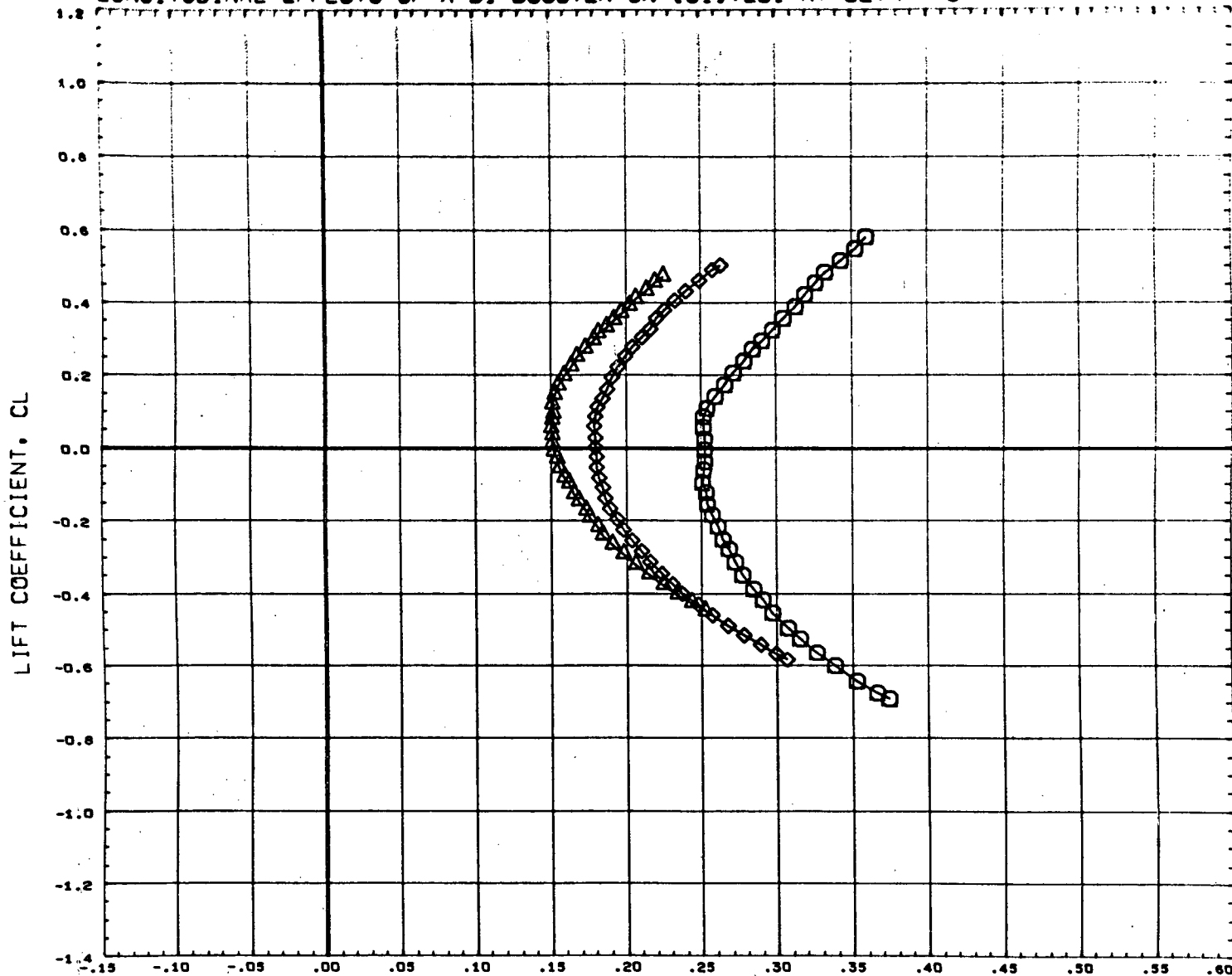
LIFT COEFFICIENT SQUARED, CLSQR

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07452)	MDAC S-222 COMPOSITE (T-CG) (O1)T2B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07453)	MDAC S-222 COMPOSITE (T-CG) (O1)T2B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(C07459)	MDAC S-222 COMPOSITE (T-CG) (O1)T2 (B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 912

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T2B1 AT BETA = 6



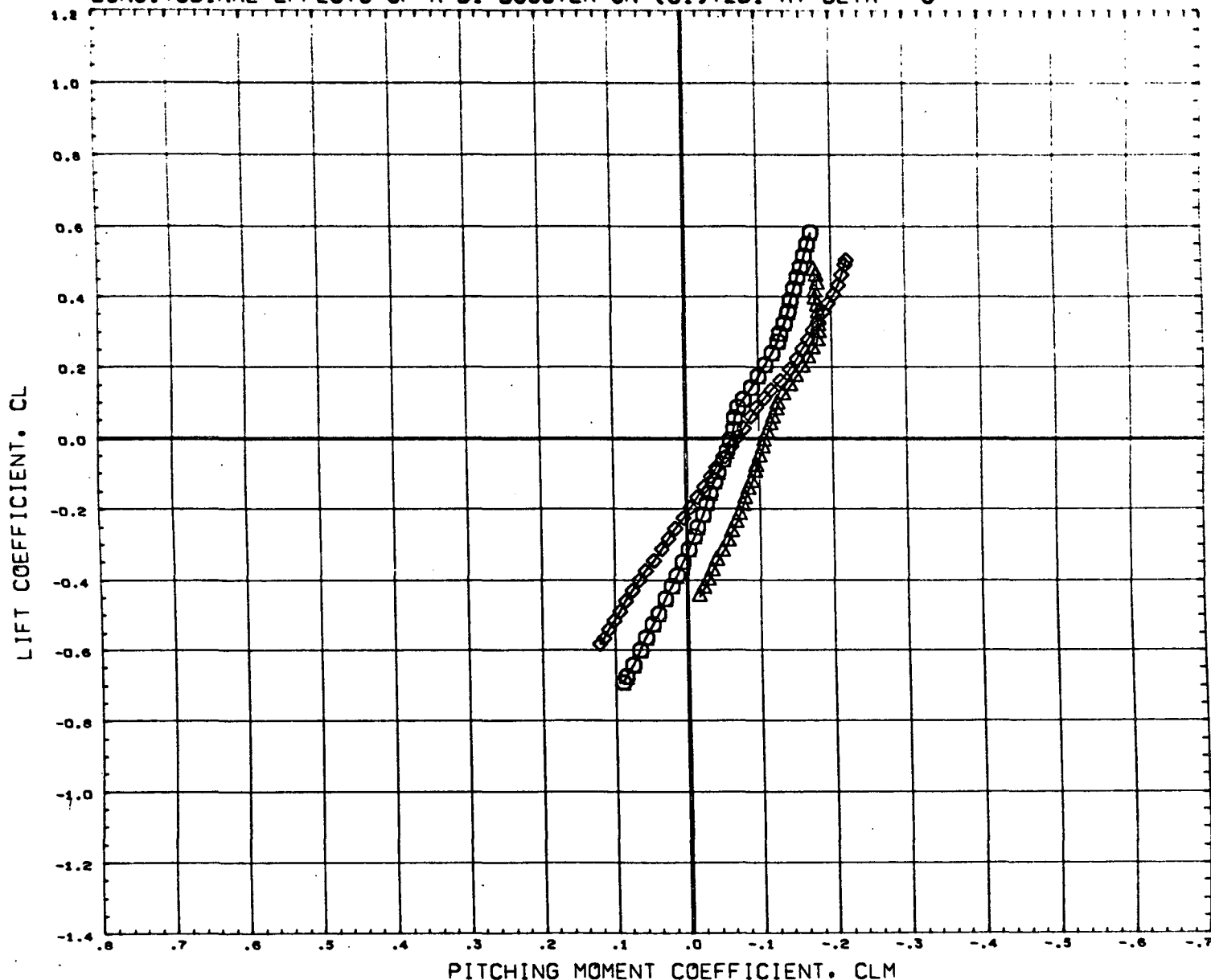
FOREBODY DRAG COEFFICIENT, CDF

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7452)	MDAC S-222 COMPOSITE (T-CG) (O1)T2B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7453)	MDAC S-222 COMPOSITE (T-CG) (O1)T2B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7459)	MDAC S-222 COMPOSITE (T-CG) (O1)T2 (B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 913

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T2B1 AT BETA = 6

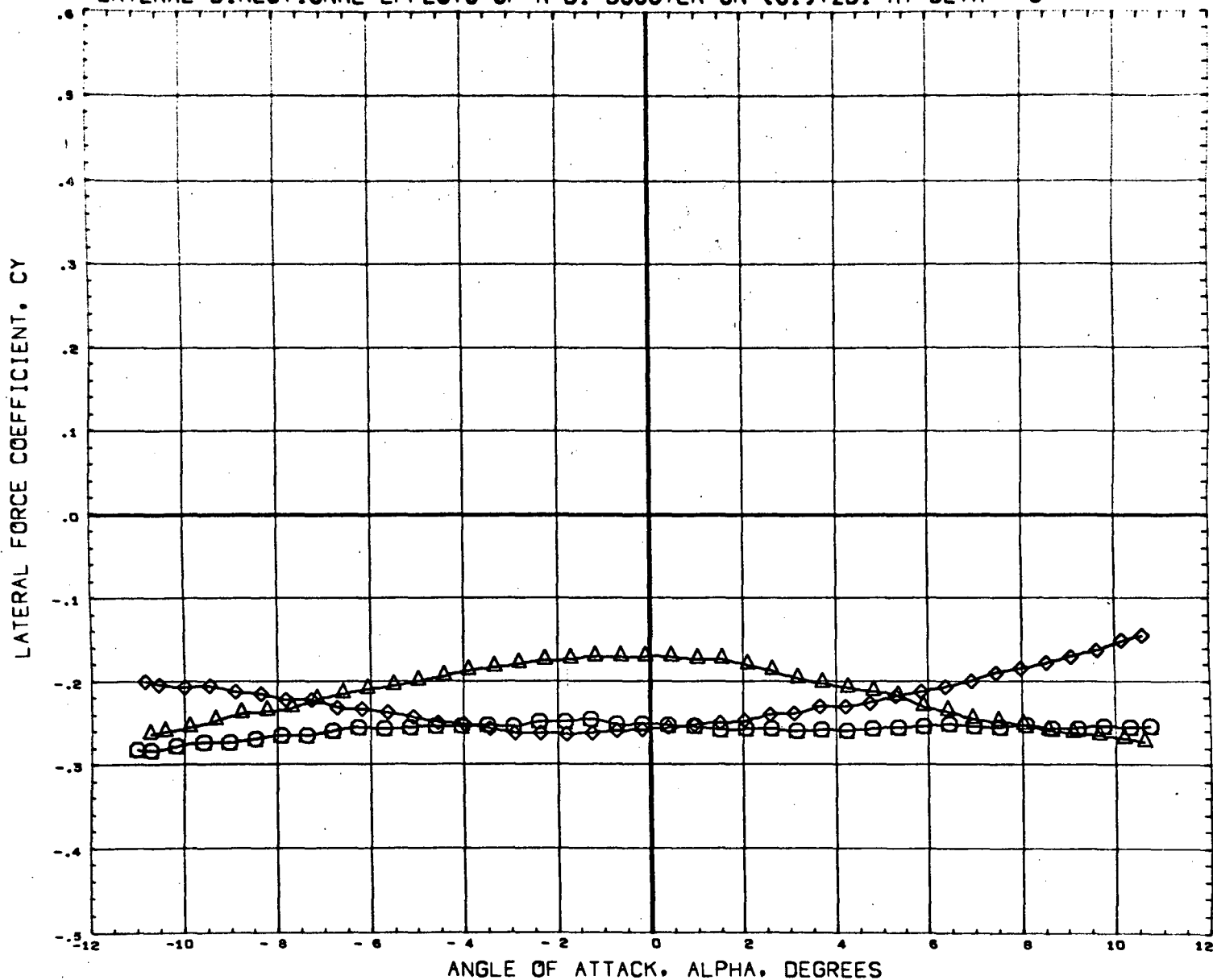


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7452)	MDAC S-222 COMPOSITE (T-CG) (O1) T2B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7453)	MDAC S-222 COMPOSITE (T-CG) (O1) T2B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7459)	MDAC S-222 COMPOSITE (T-CG) (O1) T2 (B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 914

# LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (01)T2B1 AT BETA = 6

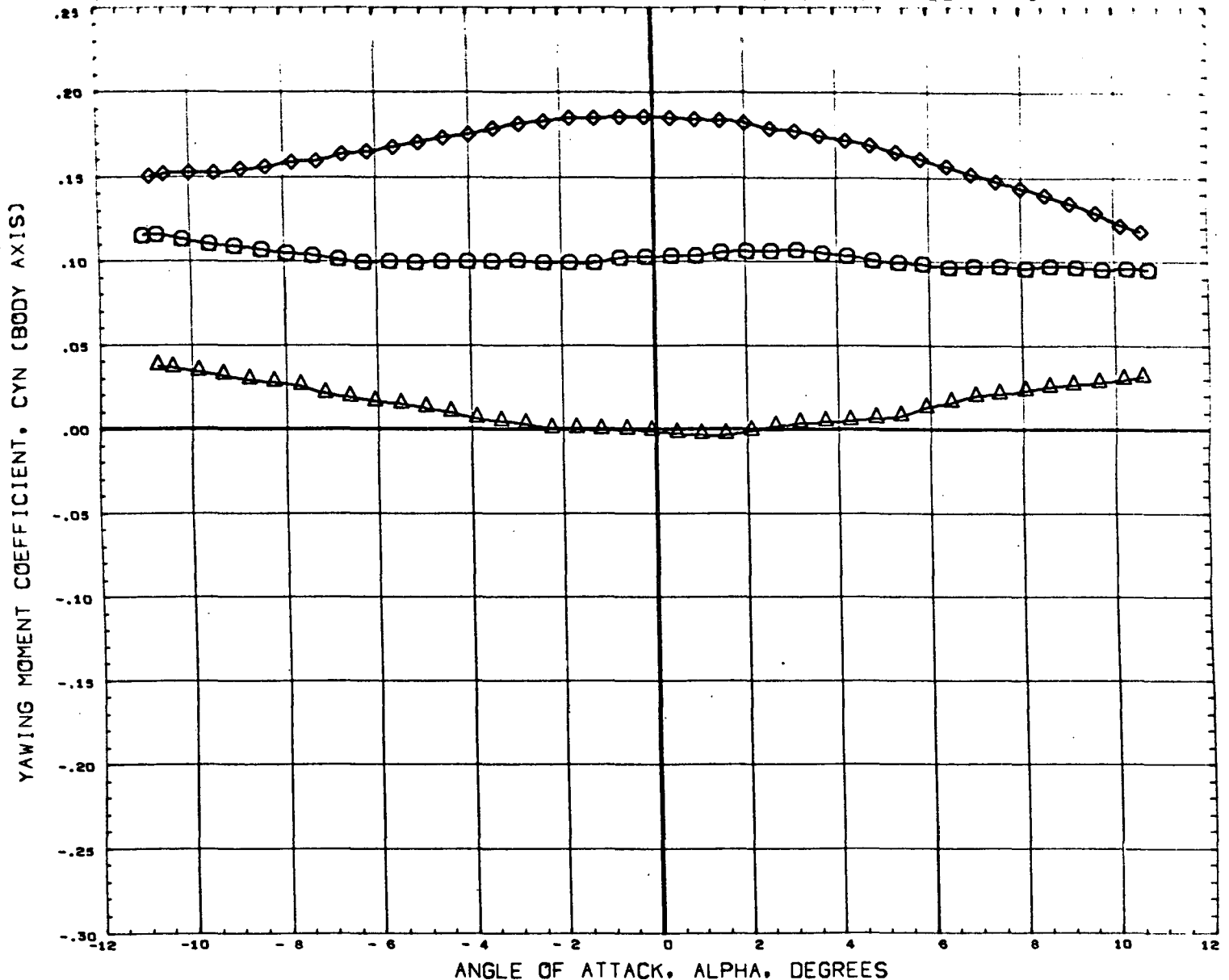


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7452)	MDAC S-222 COMPOSITE (T-CG) (01) T2B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7453)	MDAC S-222 COMPOSITE (T-CG) (01) T2B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7459)	MDAC S-222 COMPOSITE (T-CG) (01) T2 (B1L) B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 915

# LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (01)T2B1 AT BETA = 6

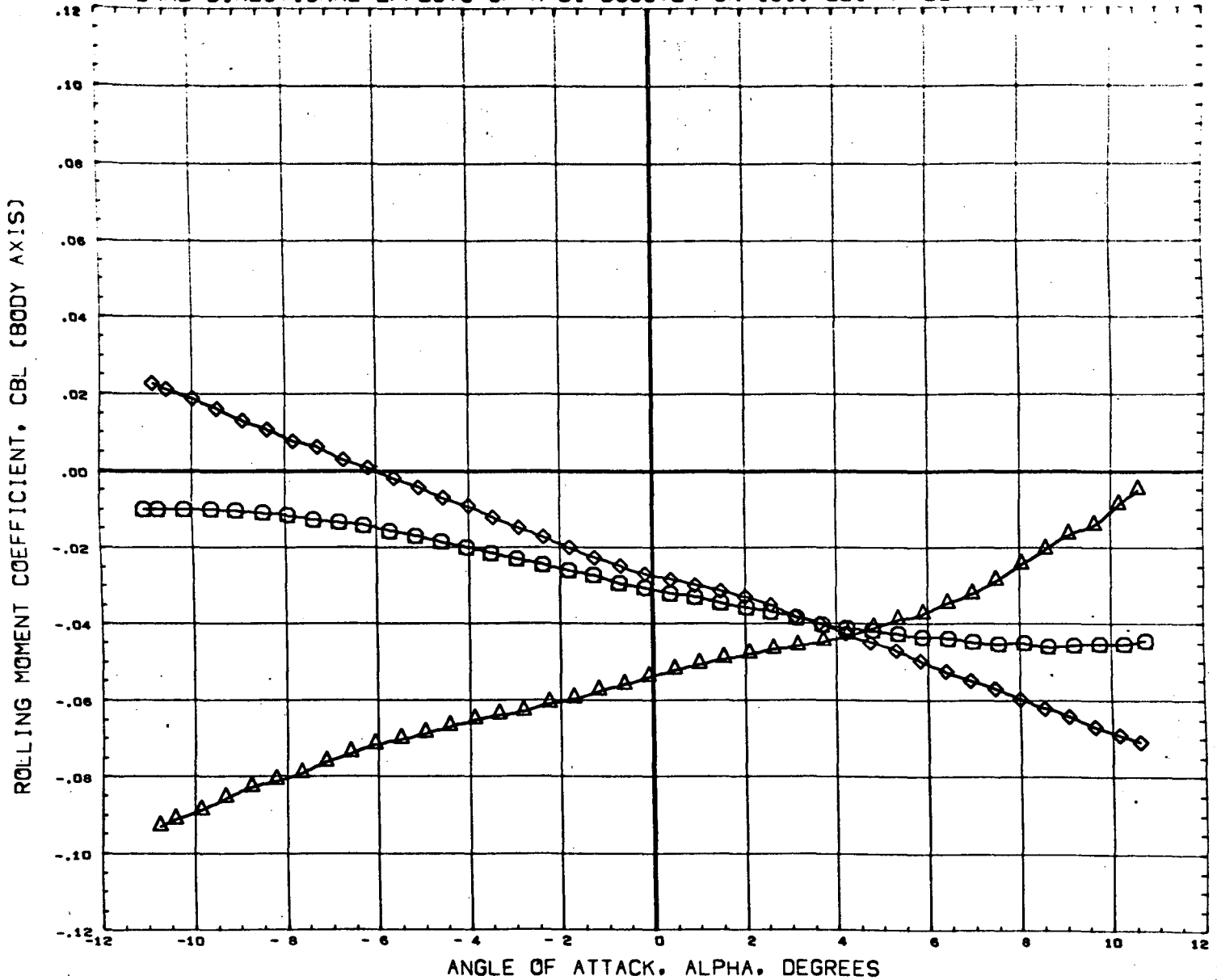


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7452)	MDAC S-222 COMPOSITE (T-CG) (01) T2B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7453)	MDAC S-222 COMPOSITE (T-CG) (01) T2B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7459)	MDAC S-222 COMPOSITE (T-CG) (01) T2 (B1L) B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 916

# LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (O1)T2B1 AT BETA = 6

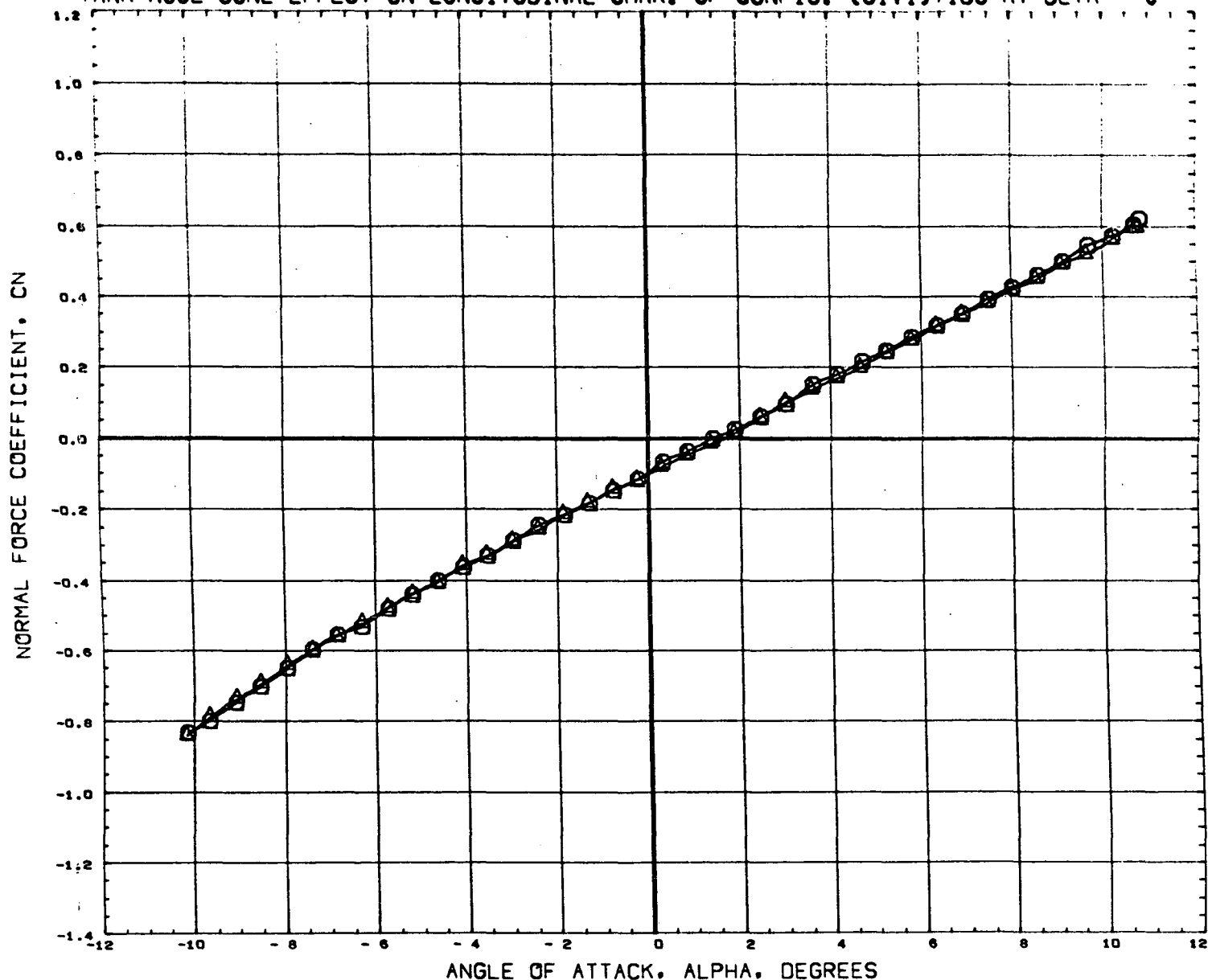


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(RD7452)	MDAC S-222 COMPOSITE (T-CG) (O1) T2B1	6.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(RD7453)	MDAC S-222 COMPOSITE (T-CG) (O1) T2B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004	IN.
(RD7459)	MDAC S-222 COMPOSITE (T-CG) (O1) T2 (B1L) B1R	6.000	0.000	0.000	0.000	BREF	882.0004	IN.
						XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	



MACH 2.20

PAGE 917

# TANK NOSE CONE EFFECT ON LONGITUDINAL CHAR. OF CONFIG. (O1V1)T1B5 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD74C6)  MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5  
 (CD74B9)  MDAC S-222 COMPOSITE (T-CG) (O1V1)T2B5

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

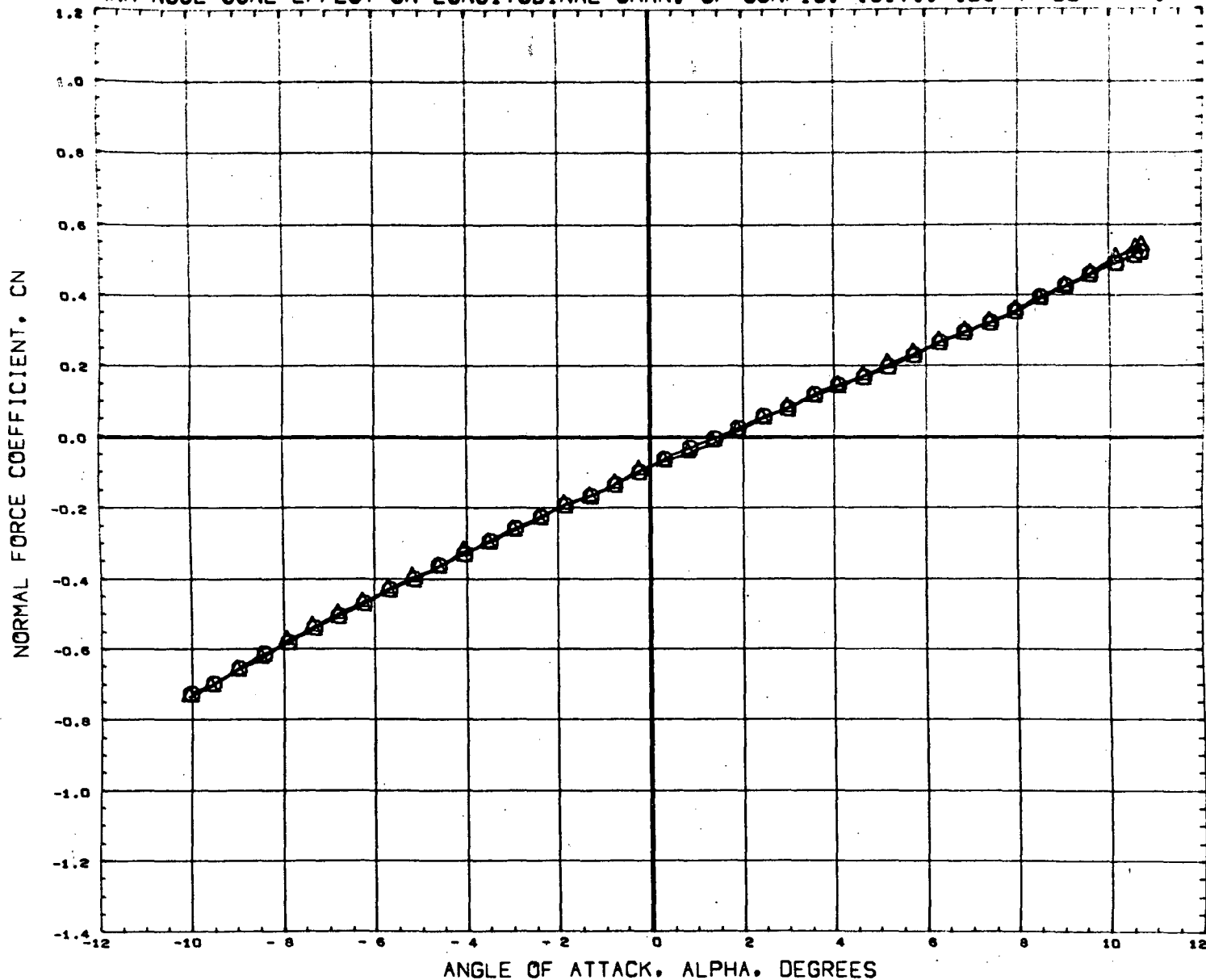
REFERENCE INFORMATION	
SREF	3155.3040 SQ.FT.
LREF	609.5004 IN.
BREF	882.0004 IN.
XMRP	557.0004 IN.
YMRP	0.0000 IN.
ZMRP	200.0004 IN.
SCALE	0.0080 SCALE

MACH 1.51

PAGE 918



# TANK NOSE CONE EFFECT ON LONGITUDINAL CHAR. OF CONFIG. (O1V1)T1B5 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD74C6)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5
(CD74B9)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T2B5

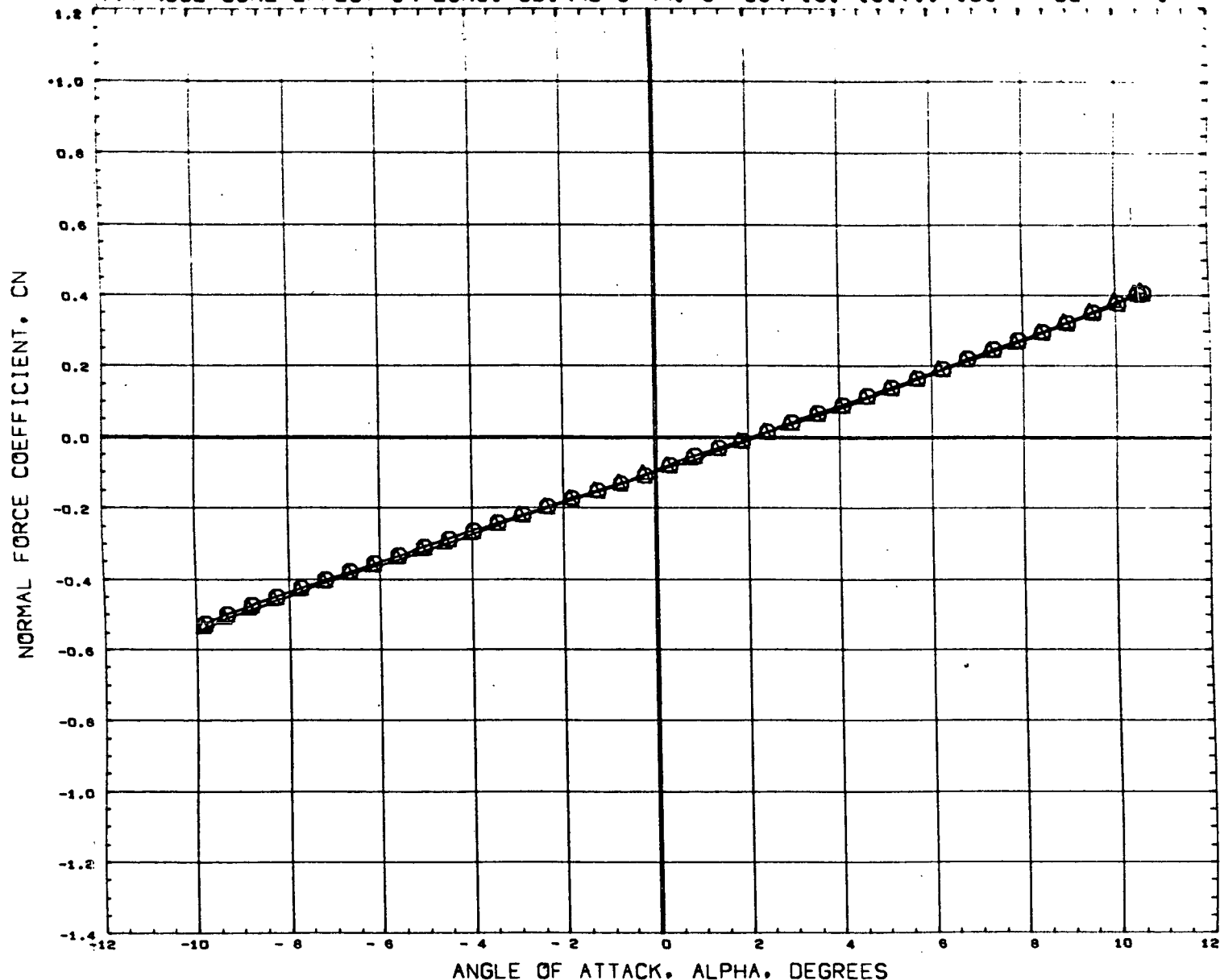
BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION	
SREF	3155.3040 SQ. FT.
LREF	609.5004 IN.
BREF	882.0004 IN.
XMRP	557.0004 IN.
YMRP	0.0000 IN.
ZMRP	200.0004 IN.
SCALE	0.0060 SCALE

MACH 2.20

PAGE 919

# TANK NOSE CONE EFFECT ON LONGITUDINAL CHAR. OF CONFIG. (01V1)T1B5 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD74C6)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5
(CD74B9)	MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

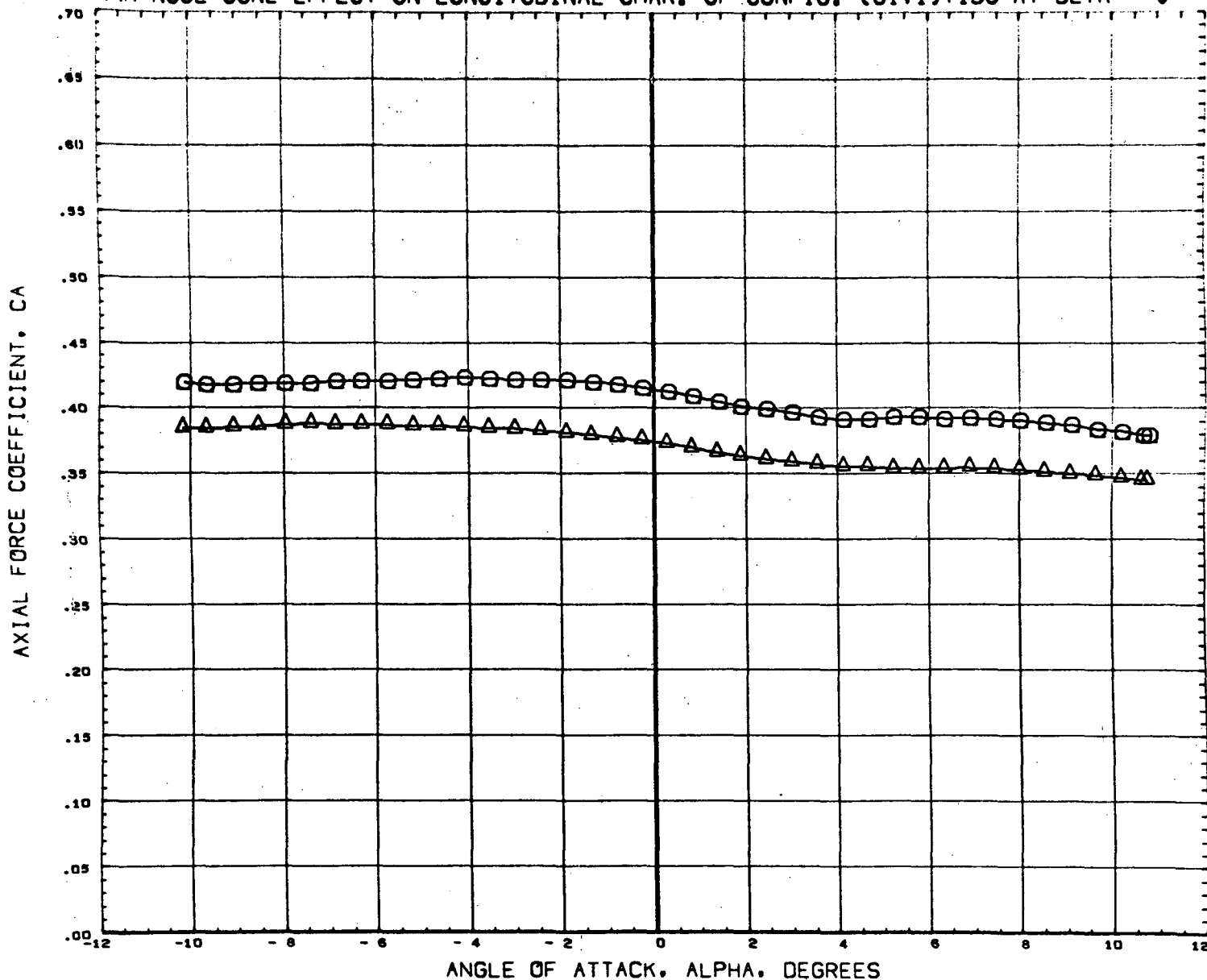
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRF	557.0004	IN.
YMRF	0.0000	IN.
ZMRF	200.0004	IN.
SCALE	0.0060	SCALE

MACH 4.47

PAGE 920

C.12

# TANK NOSE CONE EFFECT ON LONGITUDINAL CHAR. OF CONFIG. (01V1)T1B5 AT BETA = 0

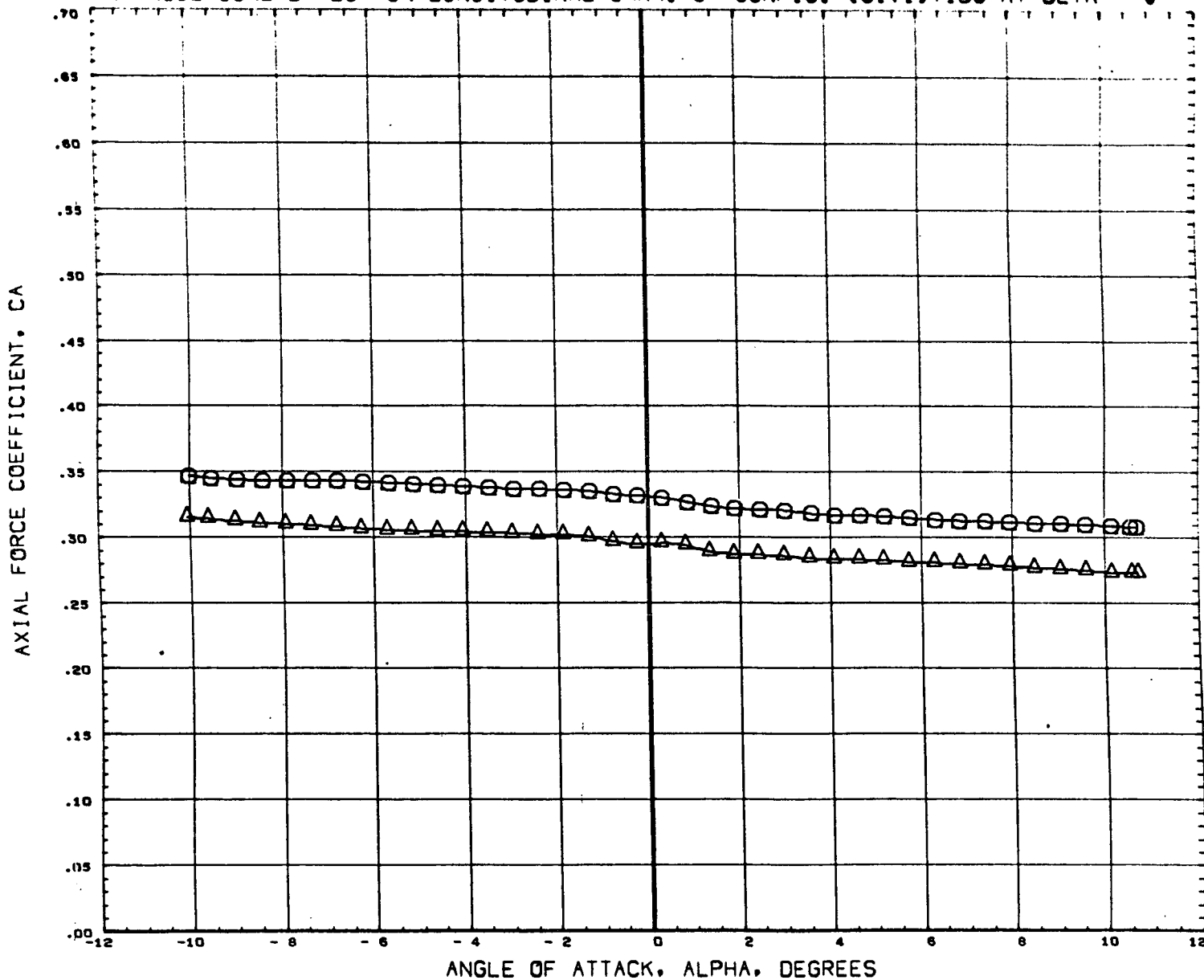


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD74C6)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74B9)	MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060 SCALE

MACH 1.51

PAGE 921

# TANK NOSE CONE EFFECT ON LONGITUDINAL CHAR. OF CONFIG. (01V1)T1B5 AT BETA = 0

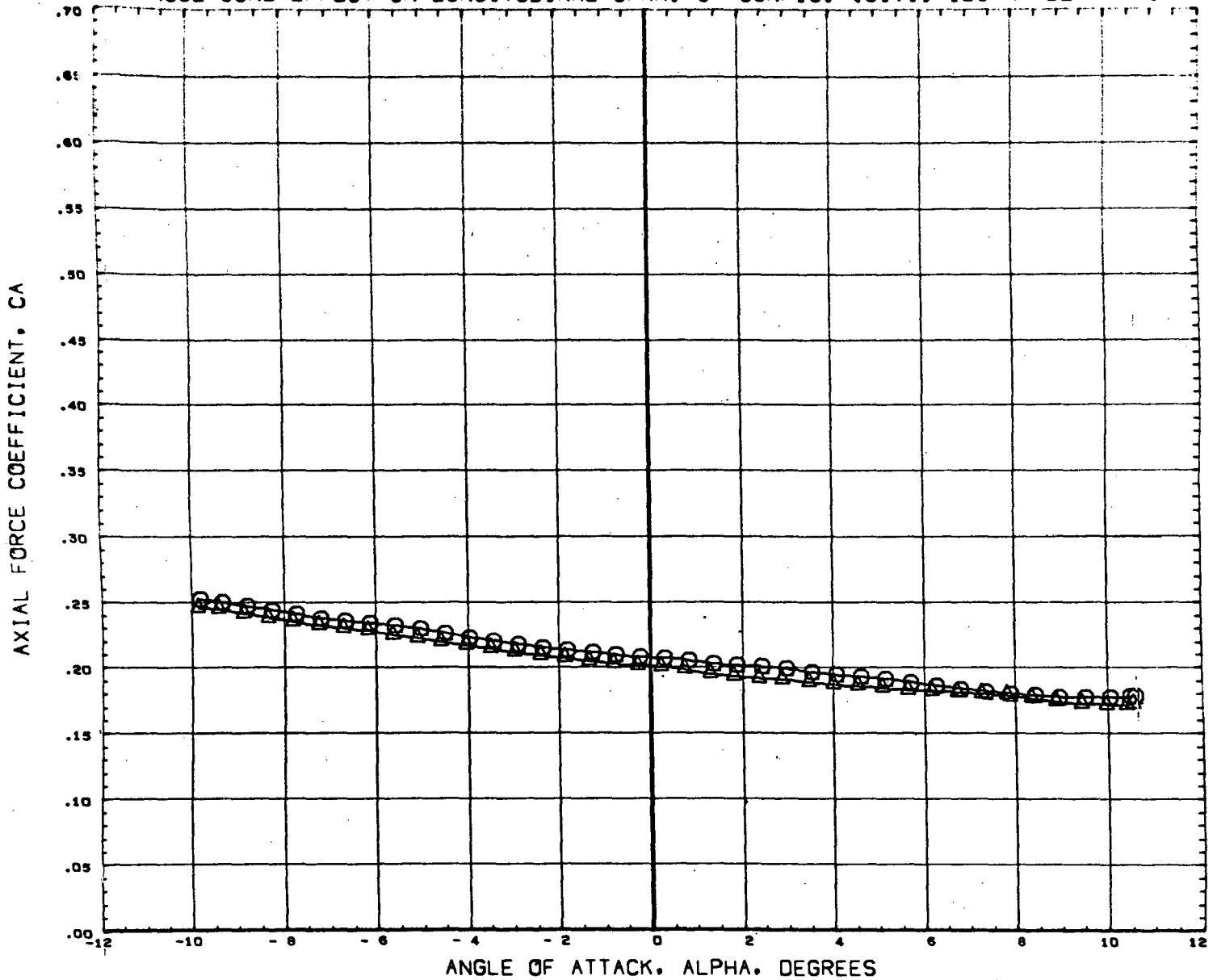


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD74C6)	MDAC S-222 COMPOSITE(T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74B9)	MDAC S-222 COMPOSITE(T-CG) (01V1)T2B5	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060 SCALE

MACH 2.20

PAGE 922

# TANK NOSE CONE EFFECT ON LONGITUDINAL CHAR. OF CONFIG. (01V1)T1B5 AT BETA = 0



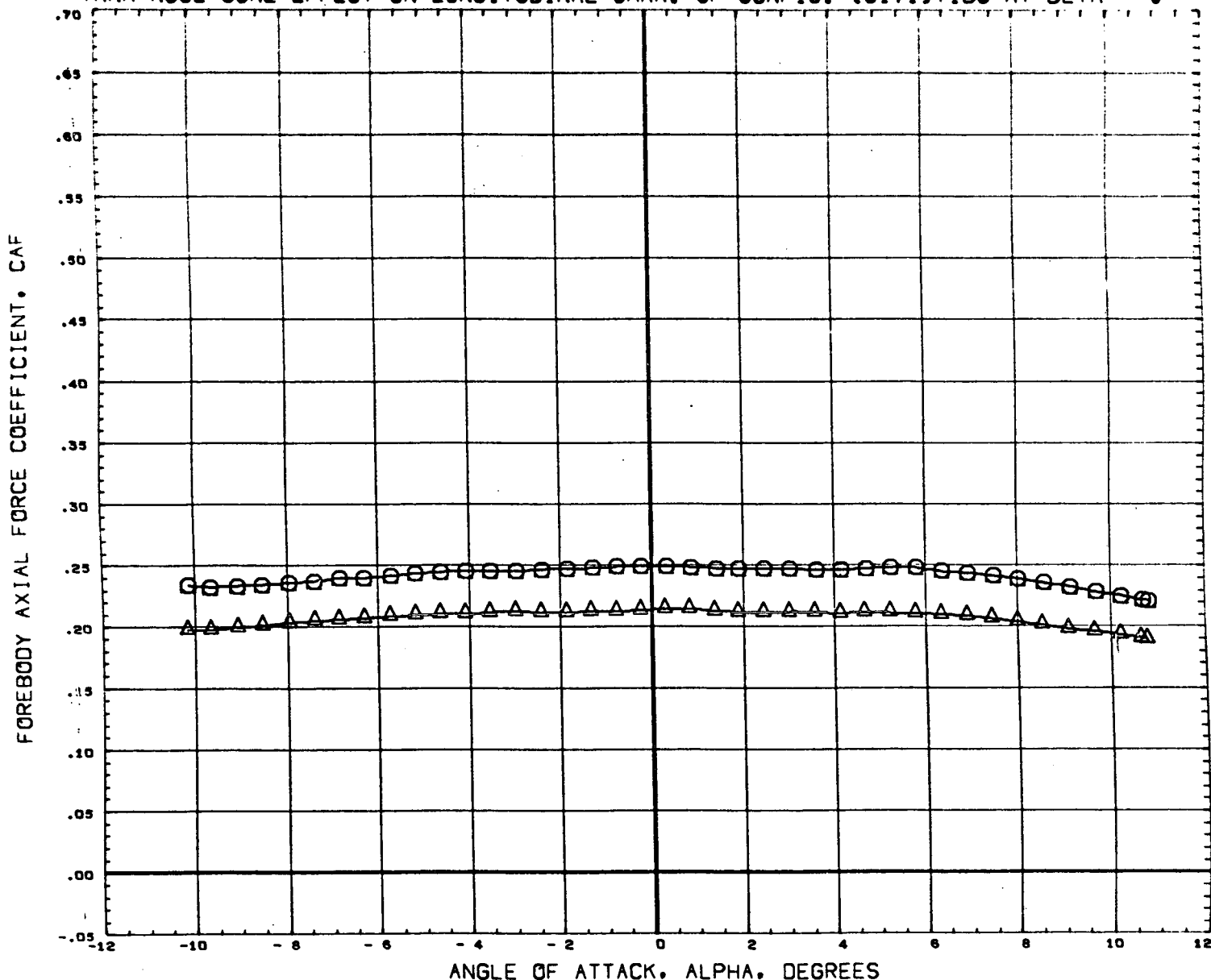
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD74C6)	MDAC S-222 COMPOSITE(T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD74B9)	MDAC S-222 COMPOSITE(T-CG) (01V1)T2B5	0.000	0.000	0.000	0.000	LREF	609.5004	IN.
						BREF	882.0004	IN.
						XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	SCALE

MACH

4.47

PAGE 923

# TANK NOSE CONE EFFECT ON LONGITUDINAL CHAR. OF CONFIG. (01V1)T1B5 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD74C6) MDAC S-222 COMPOSITE (T-CG) (01V1) T1B5  
 (CD74B9) MDAC S-222 COMPOSITE (T-CG) (01V1) T2B5

BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 0.000 0.000 0.000 0.000

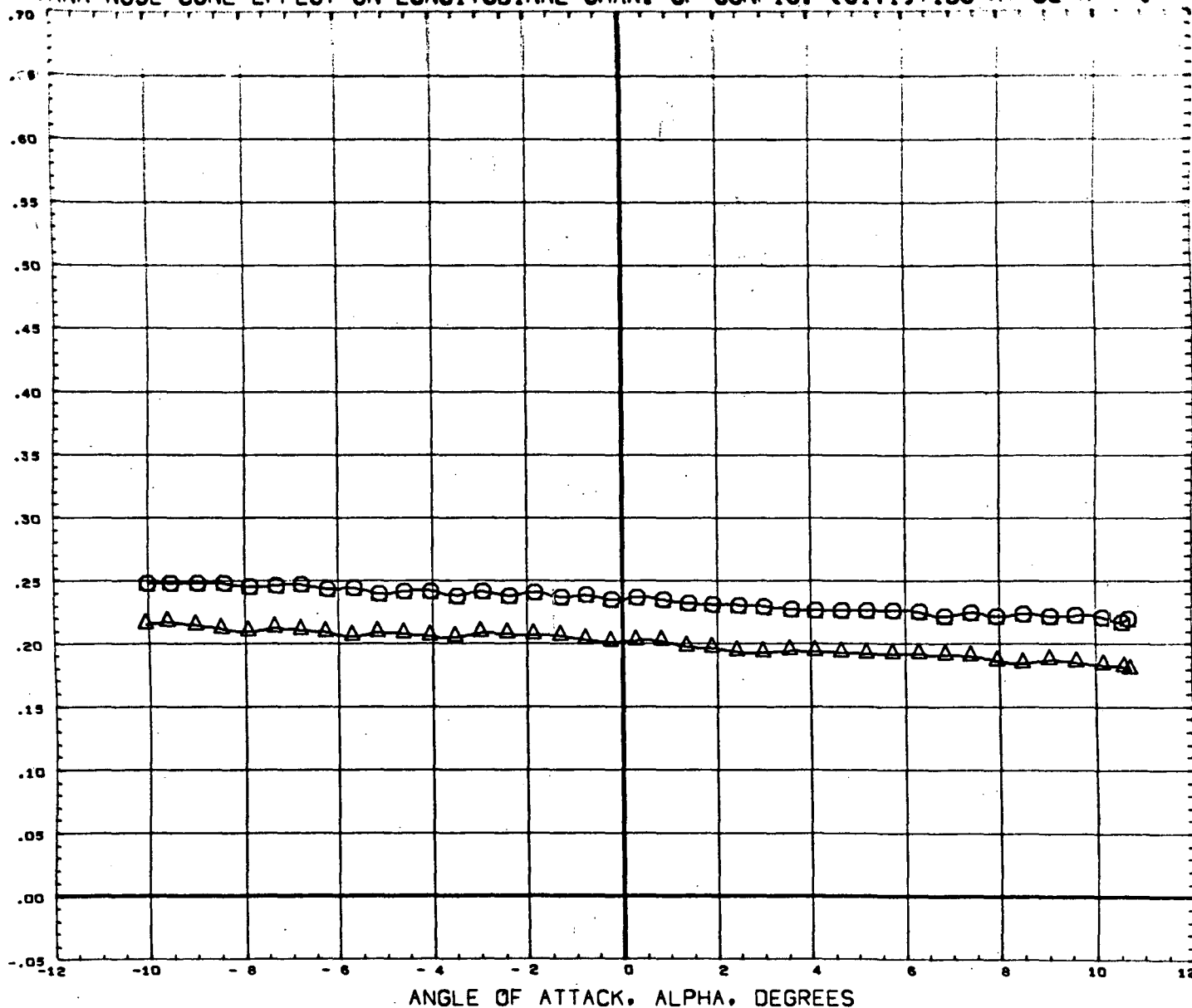
REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060 SCALE

MACH 1.51

PAGE 924

# TANK NOSE CONE EFFECT ON LONGITUDINAL CHAR. OF CONFIG. (O1V1)T1B5 AT BETA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF



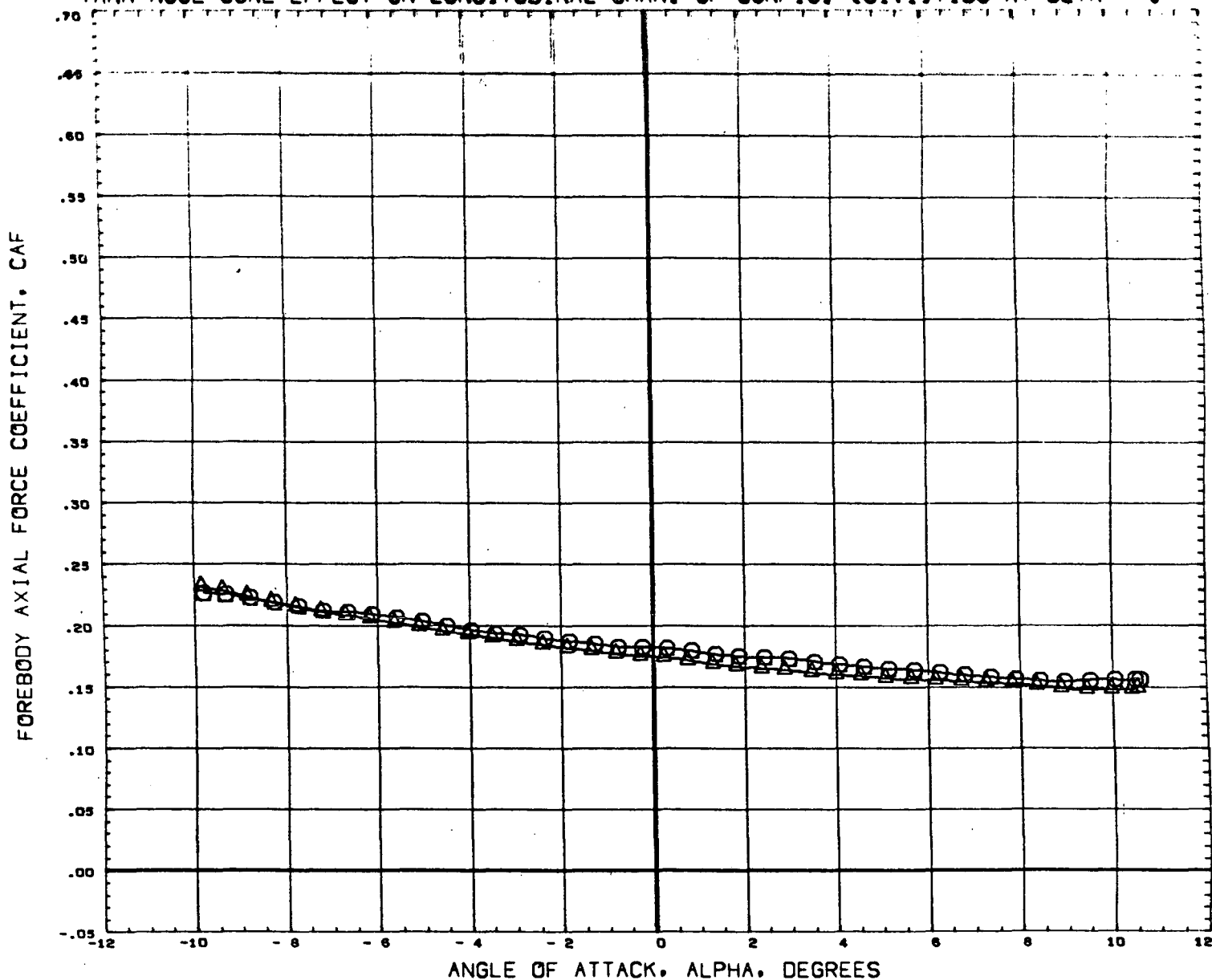
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD74C6)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T1B5
(CD74B9)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T2B5

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF 609.5004 IN.
				BREF 882.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060 SCALE

MACH 2.20

PAGE 925

# TANK NOSE CONE EFFECT ON LONGITUDINAL CHAR. OF CONFIG. (O1V1)T185 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C074C6)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T185	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C074B9)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T285	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060 SCALE

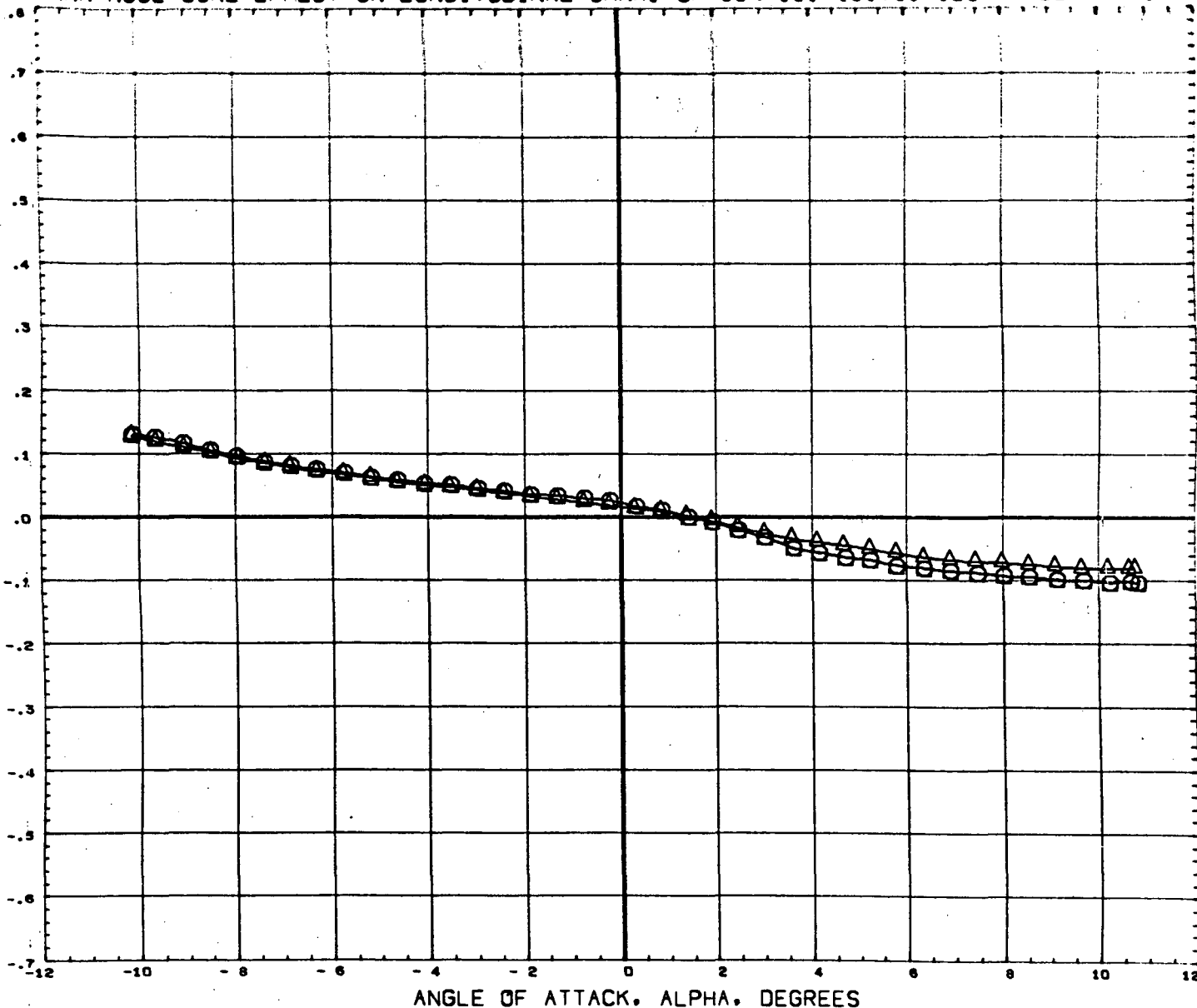
MACH 4.47

PAGE 926



# TANK NOSE CONE EFFECT ON LONGITUDINAL CHAR. OF CONFIG. (01V1)T1B5 AT BETA = 0

PITCHING MOMENT COEFFICIENT, CLM



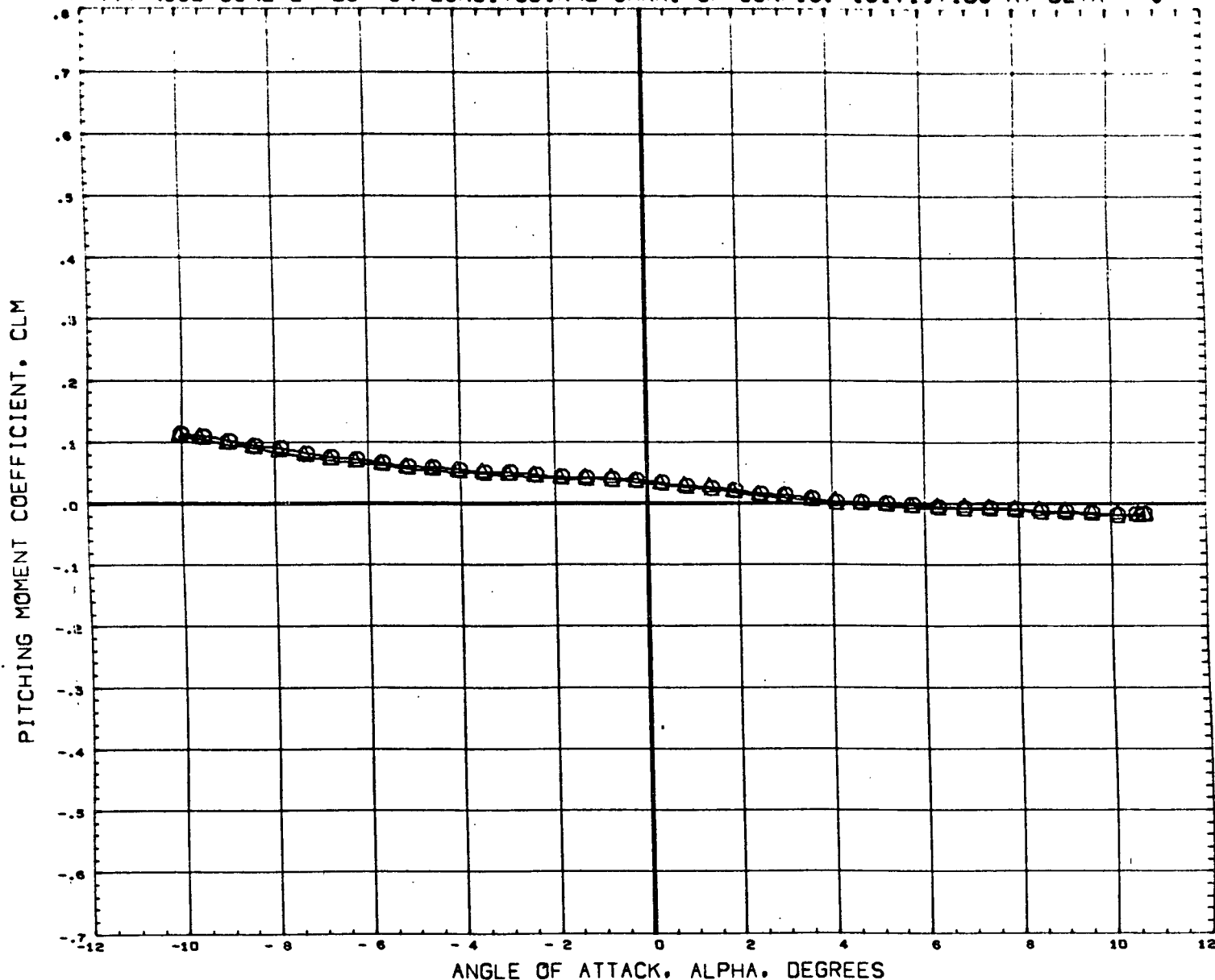
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD74C6)	MDAC S-222 COMPOSITE (T-CG) (01V1) T1B5
(CD74B9)	MDAC S-222 COMPOSITE (T-CG) (01V1) T2B5

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF 609.5004 IN.
				BREF 882.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060 SCALE

MACH 1.51

PAGE 927

# TANK NOSE CONE EFFECT ON LONGITUDINAL CHAR. OF CONFIG. (O1V1)T1B5 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD74C6)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T1B5
(CD74B9)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T2B5

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

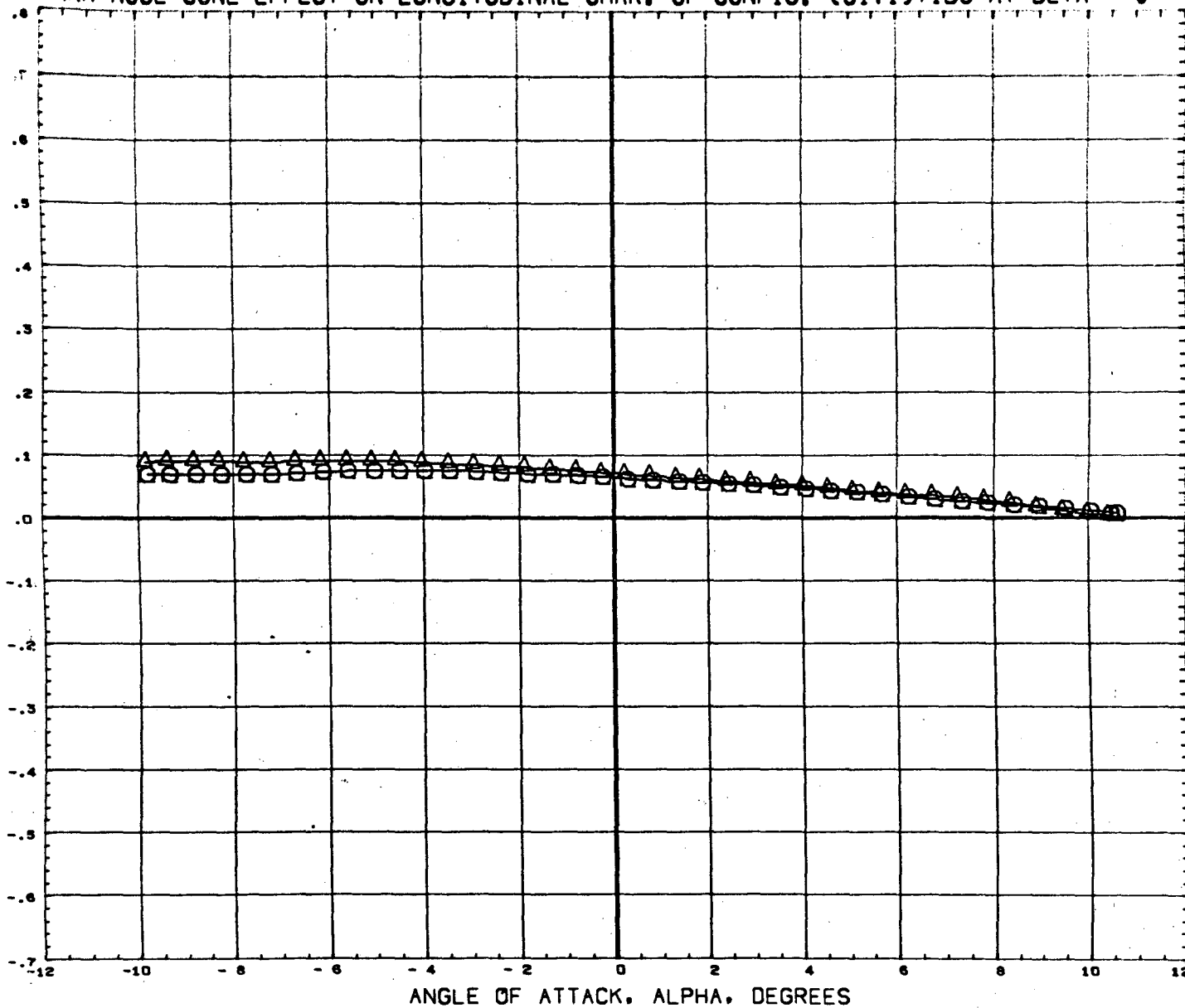
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRF	557.0004	IN.
YMRF	0.0000	IN.
ZMRF	200.0004	IN.
SCALE	0.0060	SCALE

MACH -2.20

PAGE 928

# TANK NOSE CONE EFFECT ON LONGITUDINAL CHAR. OF CONFIG. (01V1)T1B5 AT BETA = 0

PITCHING MOMENT COEFFICIENT, CLM



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD74C6) MDAC S-222 COMPOSITE (T-CG) (01V1) T1B5  
 (CD74B9) MDAC S-222 COMPOSITE (T-CG) (01V1) T2B5

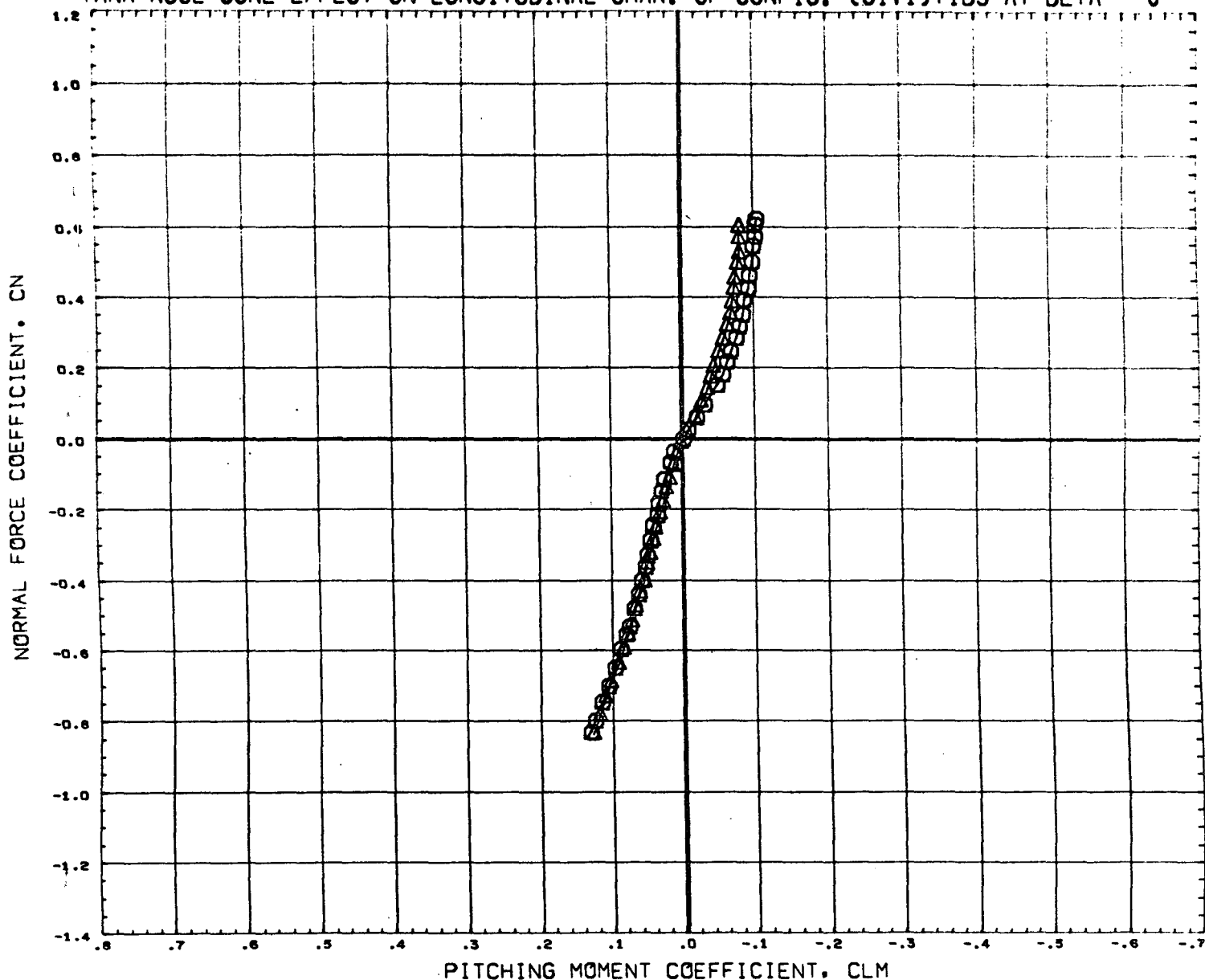
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060 SCALE

MACH

4.47

PAGE 929

# TANK NOSE CONE EFFECT ON LONGITUDINAL CHAR. OF CONFIG. (01V1)T1B5 AT BETA = 0



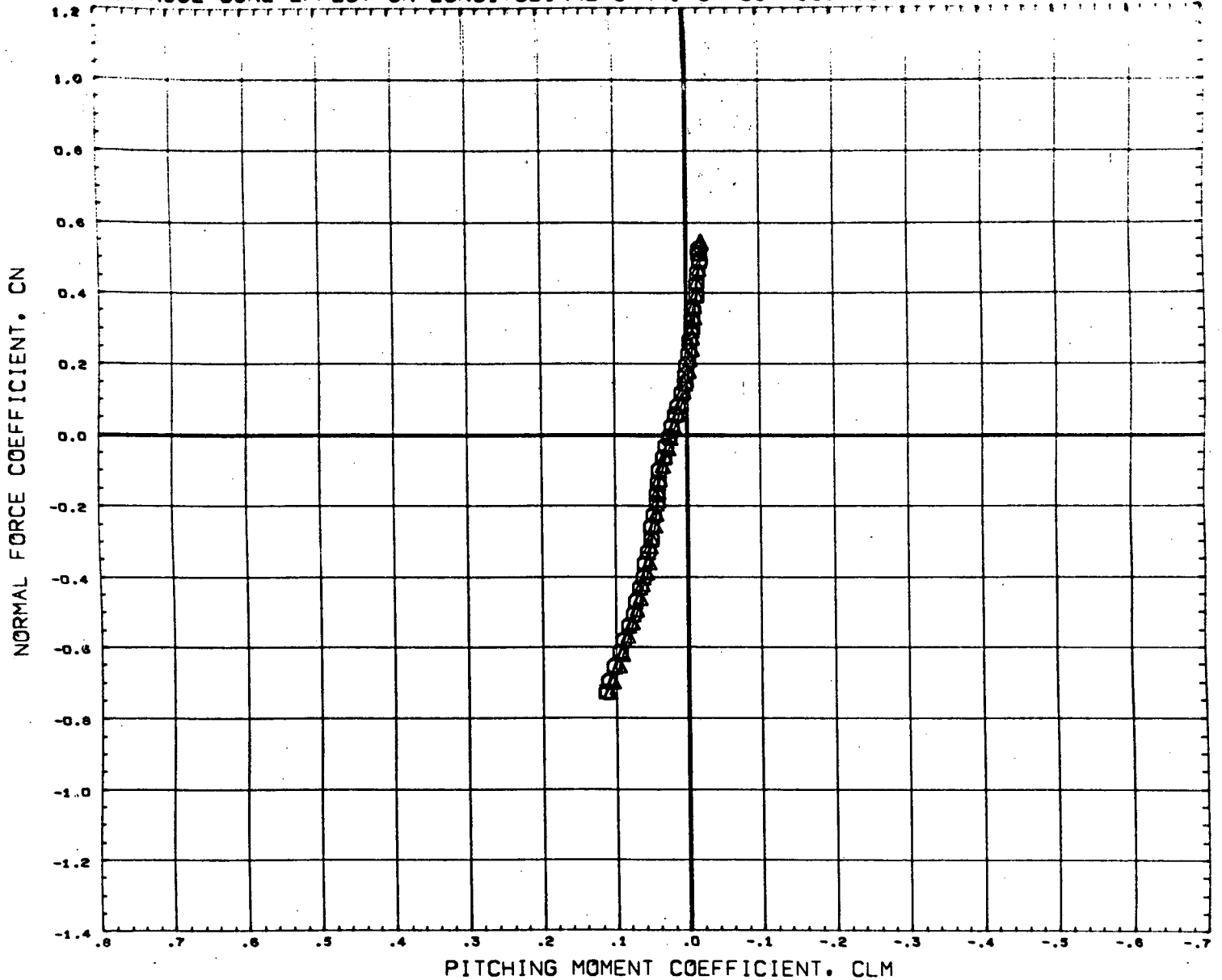
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD74C6)	MDAC S-222 COMPOSITE (T-CG) (01V1) T1B5
(CD74B9)	MDAC S-222 COMPOSITE (T-CG) (01V1) T2B5

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRF	557.0004 IN.
				YMRF	0.0000 IN.
				ZMRF	200.0004 IN.
				SCALE	0.0060 SCALE

MACH 1.51

PAGE 930

# TANK NOSE CONE EFFECT ON LONGITUDINAL CHAR. OF CONFIG. (O1V1)T1B5 AT BETA = 0

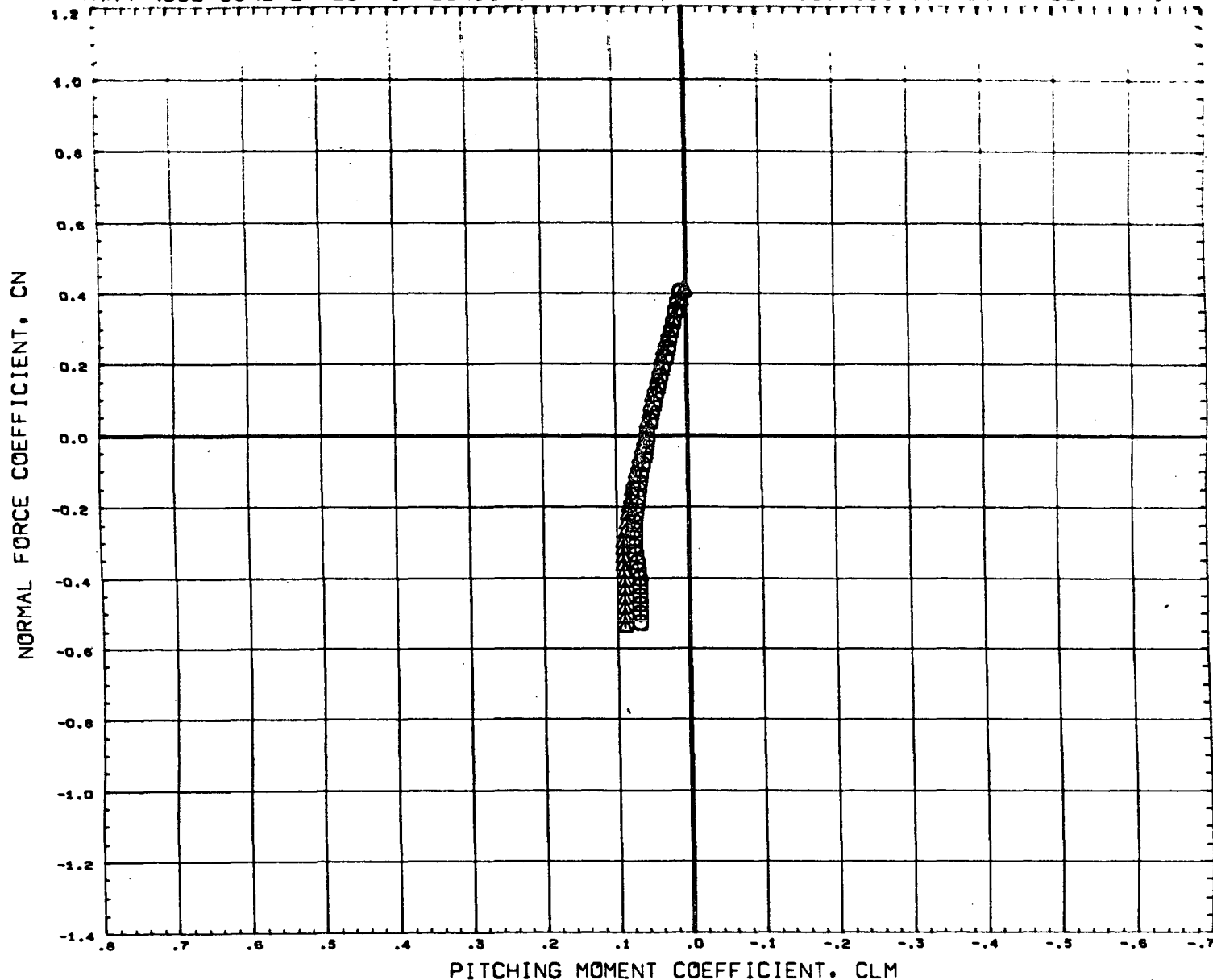


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD74C6)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74B9)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T2B5	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060 SCALE

MACH 2.20

PAGE 931

# TANK NOSE CONE EFFECT ON LONGITUDINAL CHAR. OF CONFIG. (01V1)T1B5 AT BETA = 0



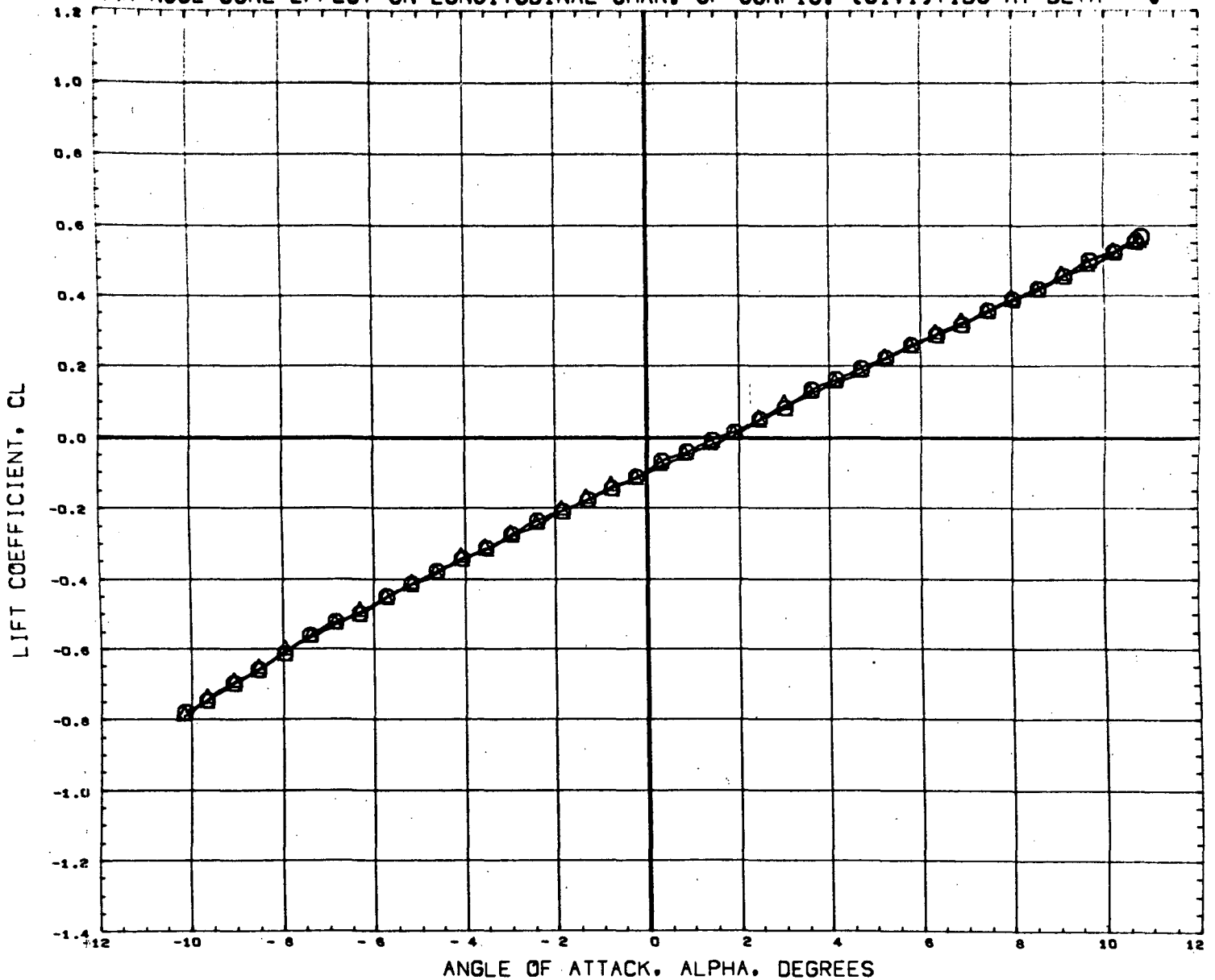
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD74C6)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5
(CD74B9)	MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060 SCALE

MACH 4.47

PAGE 932

# TANK NOSE CONE EFFECT ON LONGITUDINAL CHAR. OF CONFIG. (01V1)T1B5 AT BETA = 0

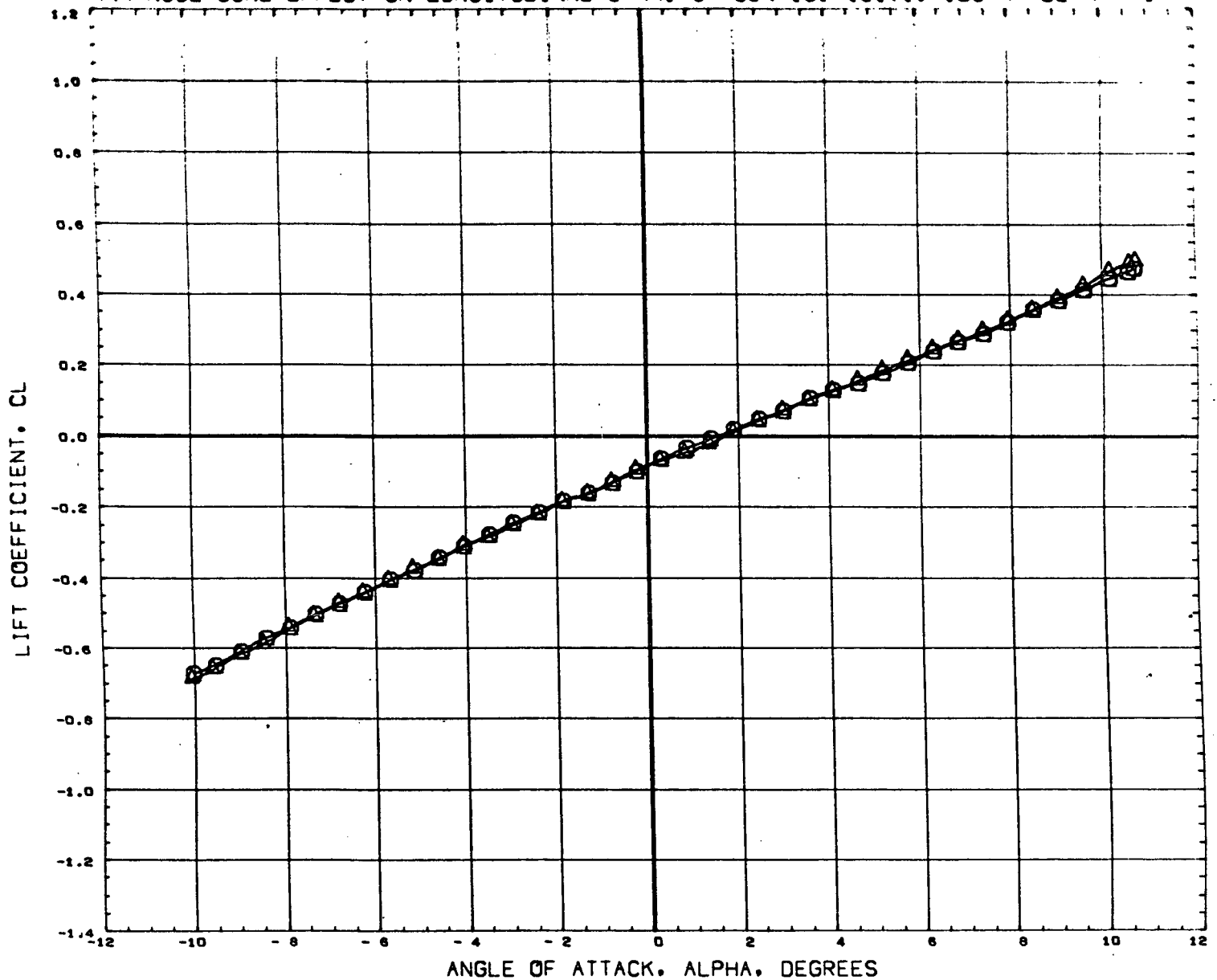


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD74C6)	MDAC S-222 COMPOSITE (T-CG) (01V1) T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74B9)	MDAC S-222 COMPOSITE (T-CG) (01V1) T2B5	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060 SCALE

MACH 1.51

PAGE 933

# TANK NOSE CONE EFFECT ON LONGITUDINAL CHAR. OF CONFIG. (O1V1)T185 AT BETA = 0



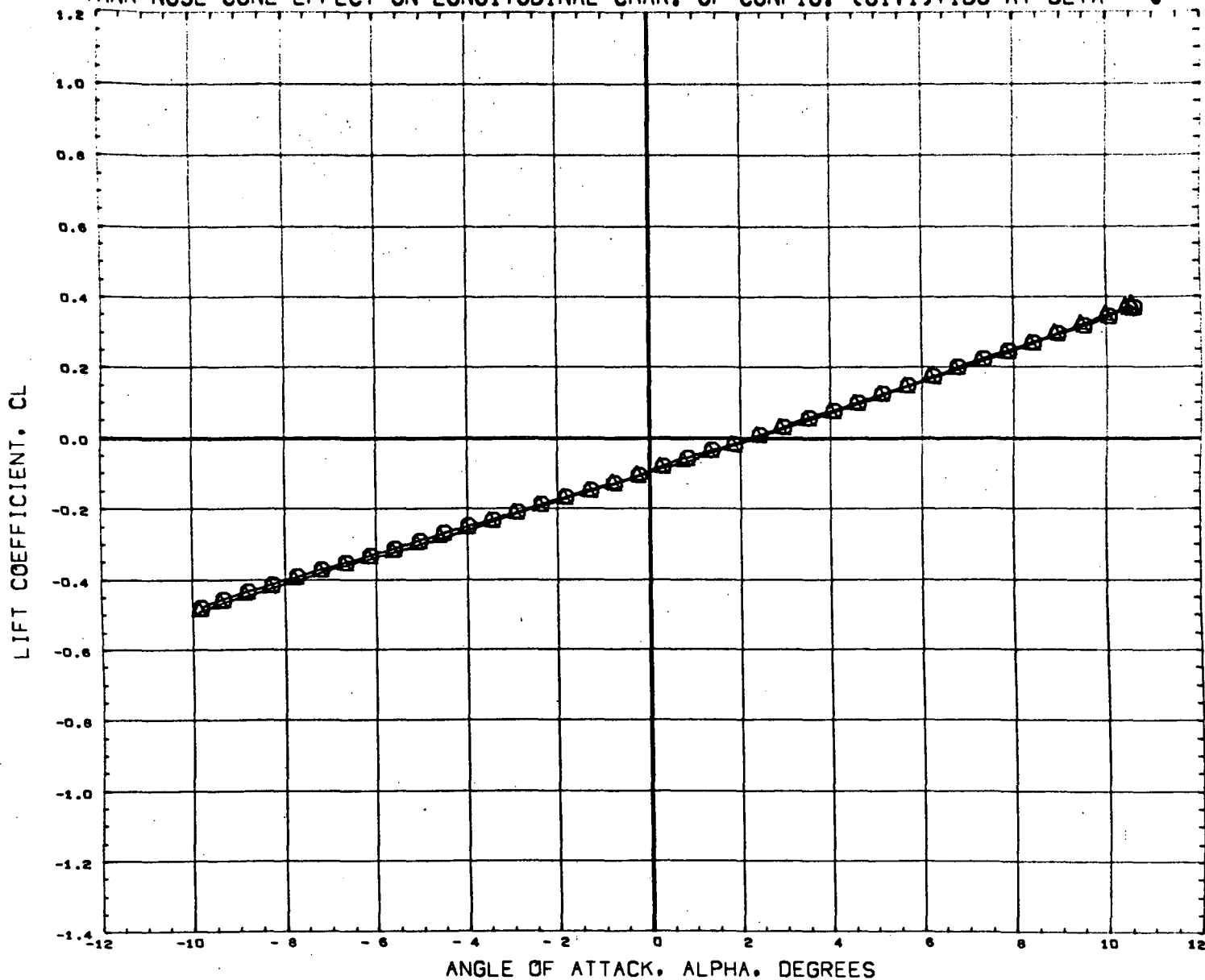
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD74C6)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T185	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74E9)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T285	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						YMRP	557.0004 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060 SCALE

MACH 2.20

PAGE 934



# TANK NOSE CONE EFFECT ON LONGITUDINAL CHAR. OF CONFIG. (01V1)T1B5 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD74C6)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5
(CD74B9)	MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5

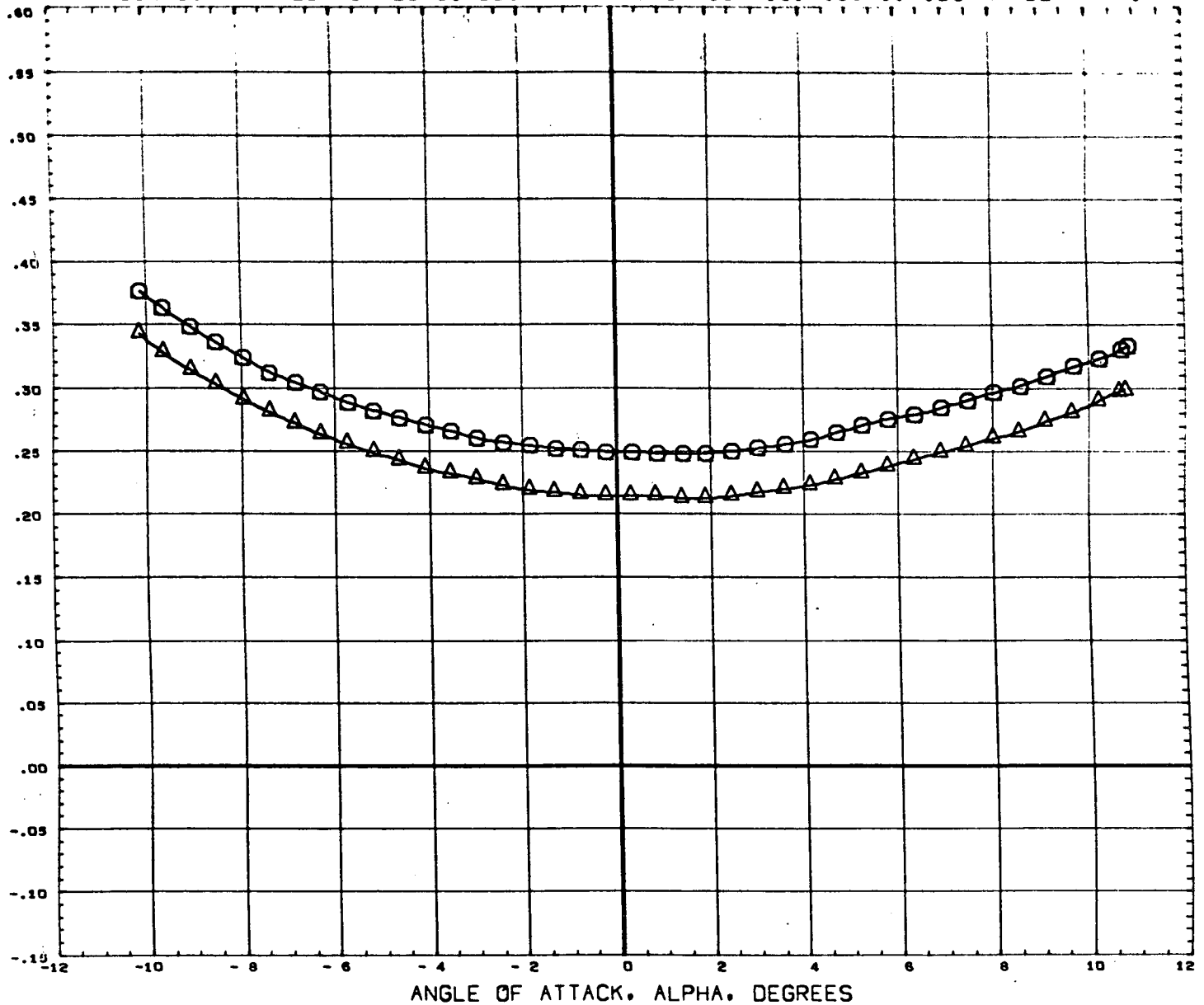
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060 SCALE

MACH 4.47

PAGE 935

# TANK NOSE CONE EFFECT ON LONGITUDINAL CHAR. OF CONFIG. (01V1)T1B5 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



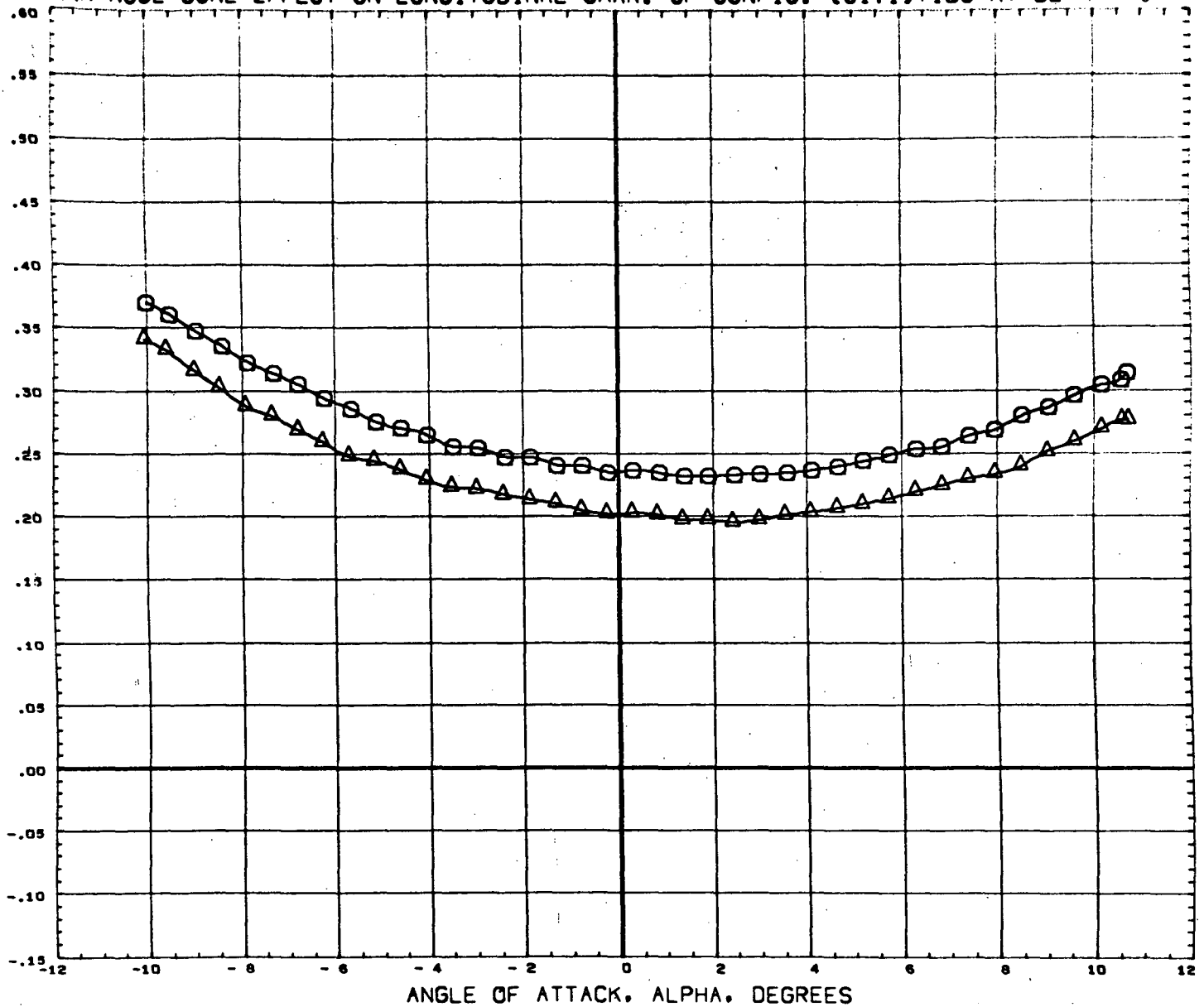
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD74C6)	MDAC S-222 COMPOSITE (T-C6) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74B9)	MDAC S-222 COMPOSITE (T-C6) (01V1)T2B5	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060 SCALE

MACH 1.51

PAGE 936

# TANK NOSE CONE EFFECT ON LONGITUDINAL CHAR. OF CONFIG. (01V1)T1B5 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



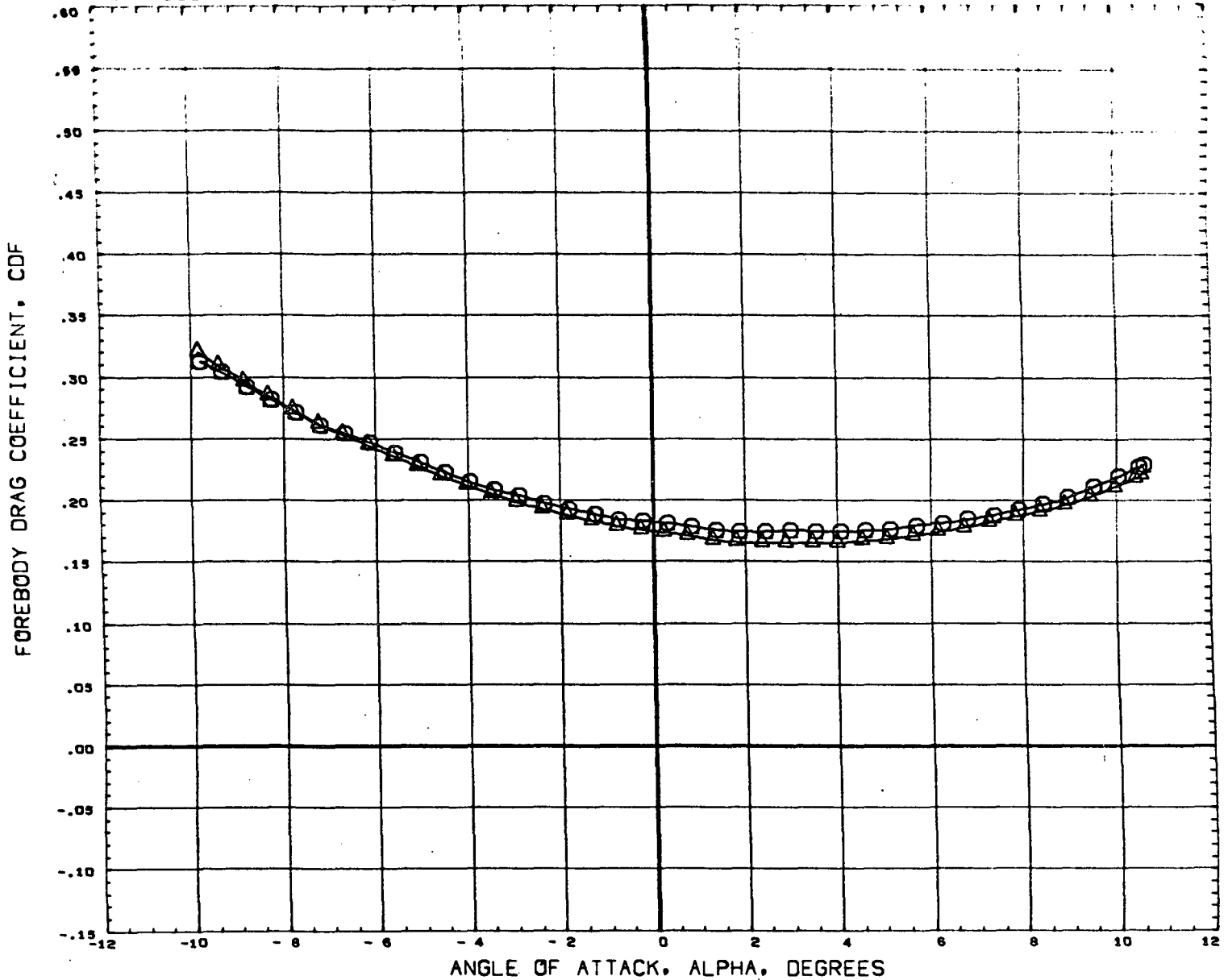
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD74C6)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5
(CD74B9)	MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060 SCALE

MACH 2.20

PAGE 937

# TANK NOSE CONE EFFECT ON LONGITUDINAL CHAR. OF CONFIG. (01V1)T1B5 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD74C6) MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5  
 (CD74B9) MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5

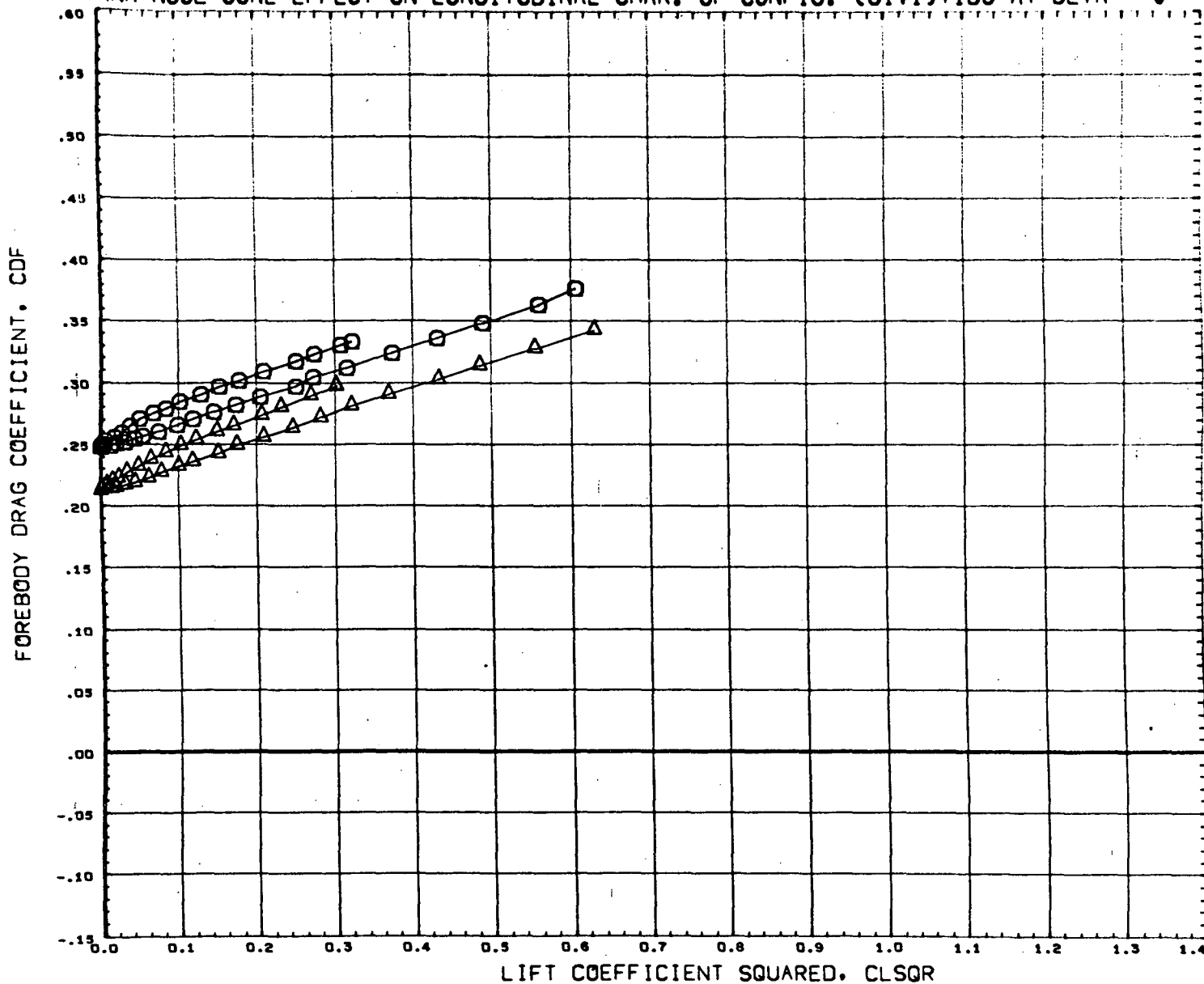
BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 0.000 0.000 0.000 0.000

REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060 SCALE

MACH 4.47

PAGE 938

# TANK NOSE CONE EFFECT ON LONGITUDINAL CHAR. OF CONFIG. (O1V1)T1B5 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD74C6) $\bigcirc$	MDAC S-222 COMPOSITE (T-CG) (O1V1)T1B5
(CD74B9) $\triangle$	MDAC S-222 COMPOSITE (T-CG) (O1V1)T2B5

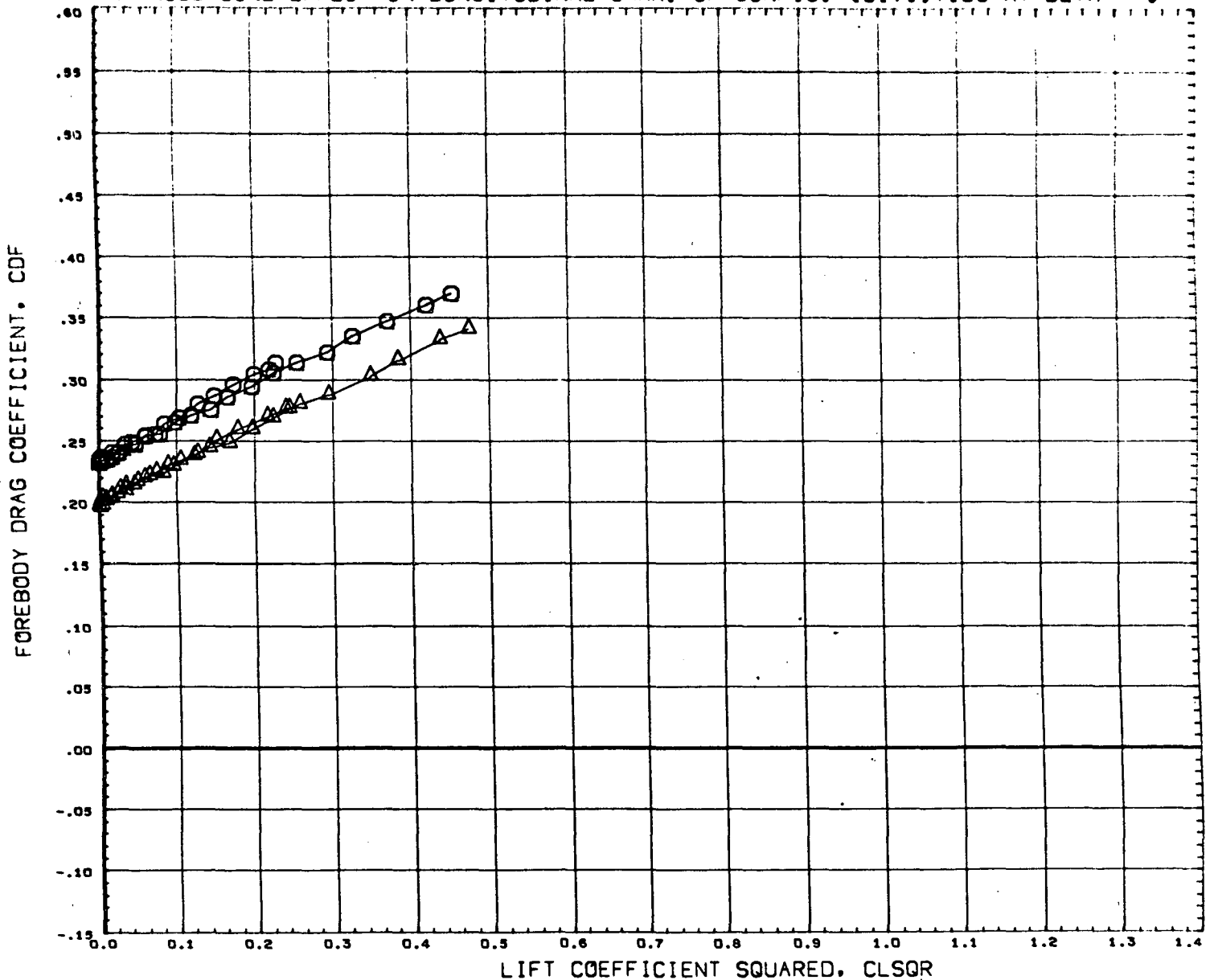
BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	537.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE

MACH 1.51

PAGE 939

# TANK NOSE CONE EFFECT ON LONGITUDINAL CHAR. OF CONFIG. (01V1)T1B5 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD74C6)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5
(CD74B9)	MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5

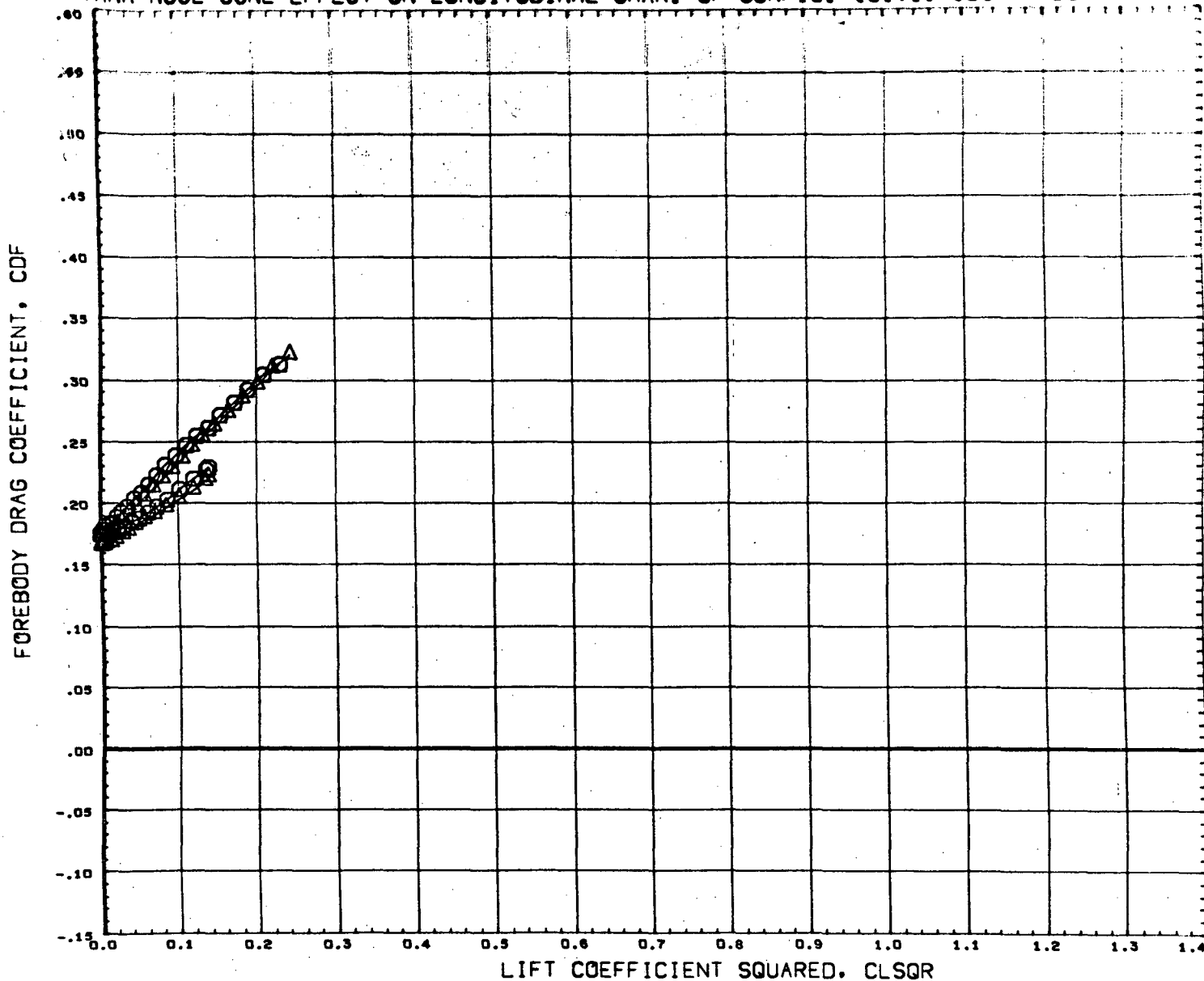
BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SO.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
YMRP	557.0004	IN.
ZMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE

MACH 2.20

PAGE 940

# TANK NOSE CONE EFFECT ON LONGITUDINAL CHAR. OF CONFIG. (01V1)T185 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD74C6) MDAC S-222 COMPOSITE (T-CG) (01V1)T185  
 (CD74B9) MDAC S-222 COMPOSITE (T-CG) (01V1)T285

BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 0.000 0.000 0.000 0.000

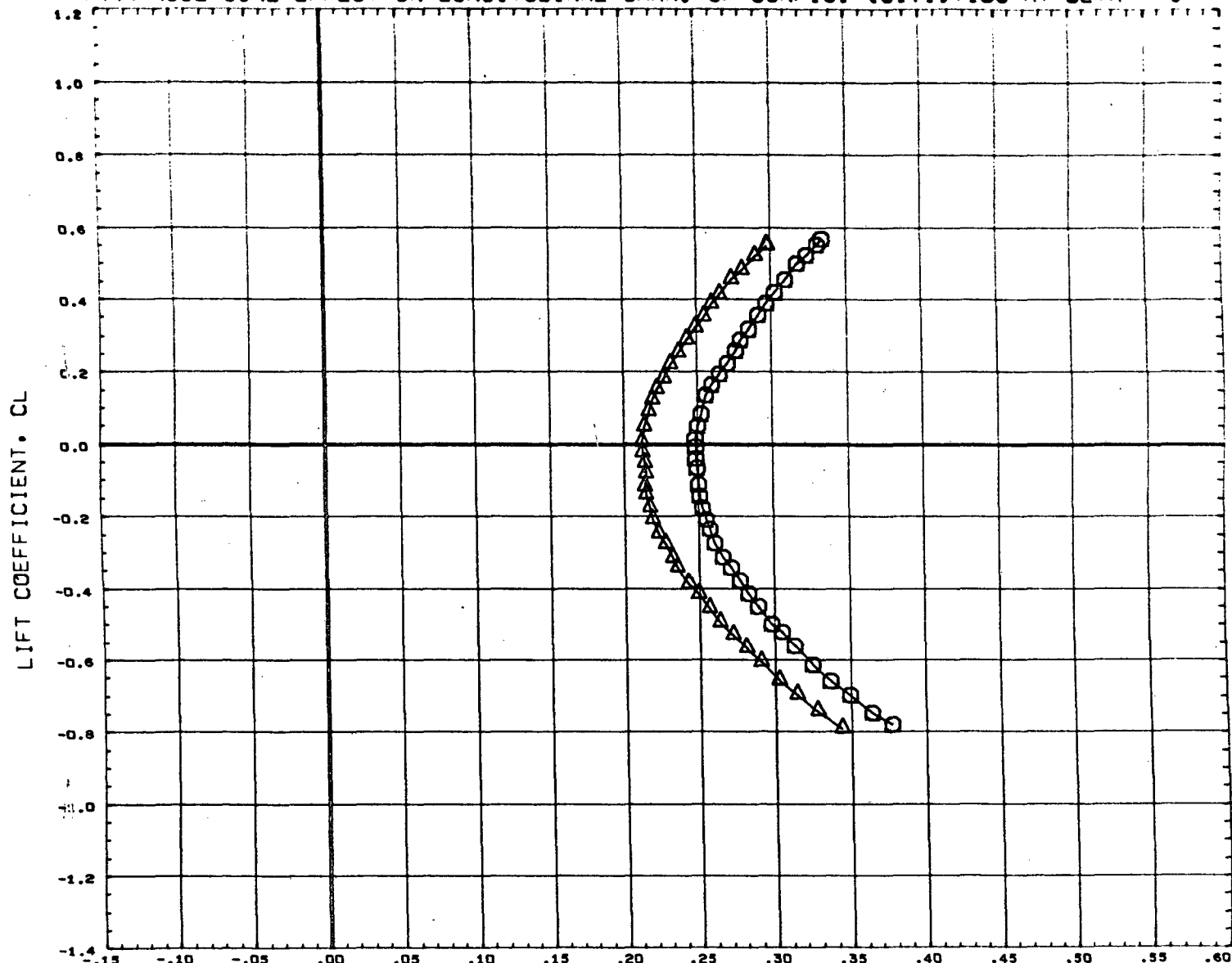
REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0080 SCALE

MACH

4.47

PAGE 941

# TANK NOSE CONE EFFECT ON LONGITUDINAL CHAR. OF CONFIG. (01V1)T1B5 AT BETA = 0



## FOREBODY DRAG COEFFICIENT, CDF

DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD74C6)    ○    MDAC S-222 COMPOSITE(T-CG) (01V1)T1B5  
 (CD74B9)    △    MDAC S-222 COMPOSITE(T-CG) (01V1)T2B5

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

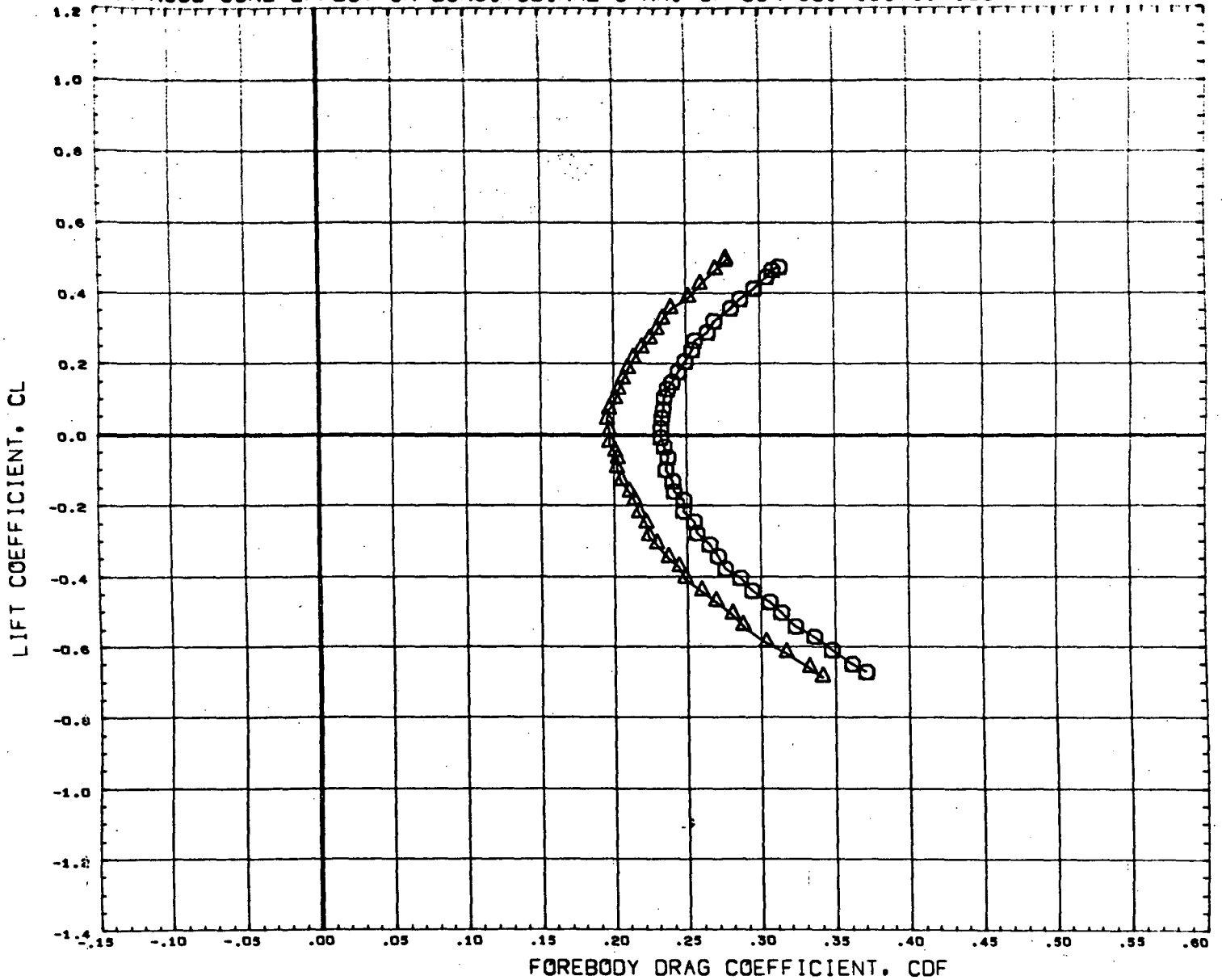
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE

MACH    1.51

PAGE    942



# TANK NOSE CONE EFFECT ON LONGITUDINAL CHAR. OF CONFIG. (01V1)T1B5 AT BETA = 0



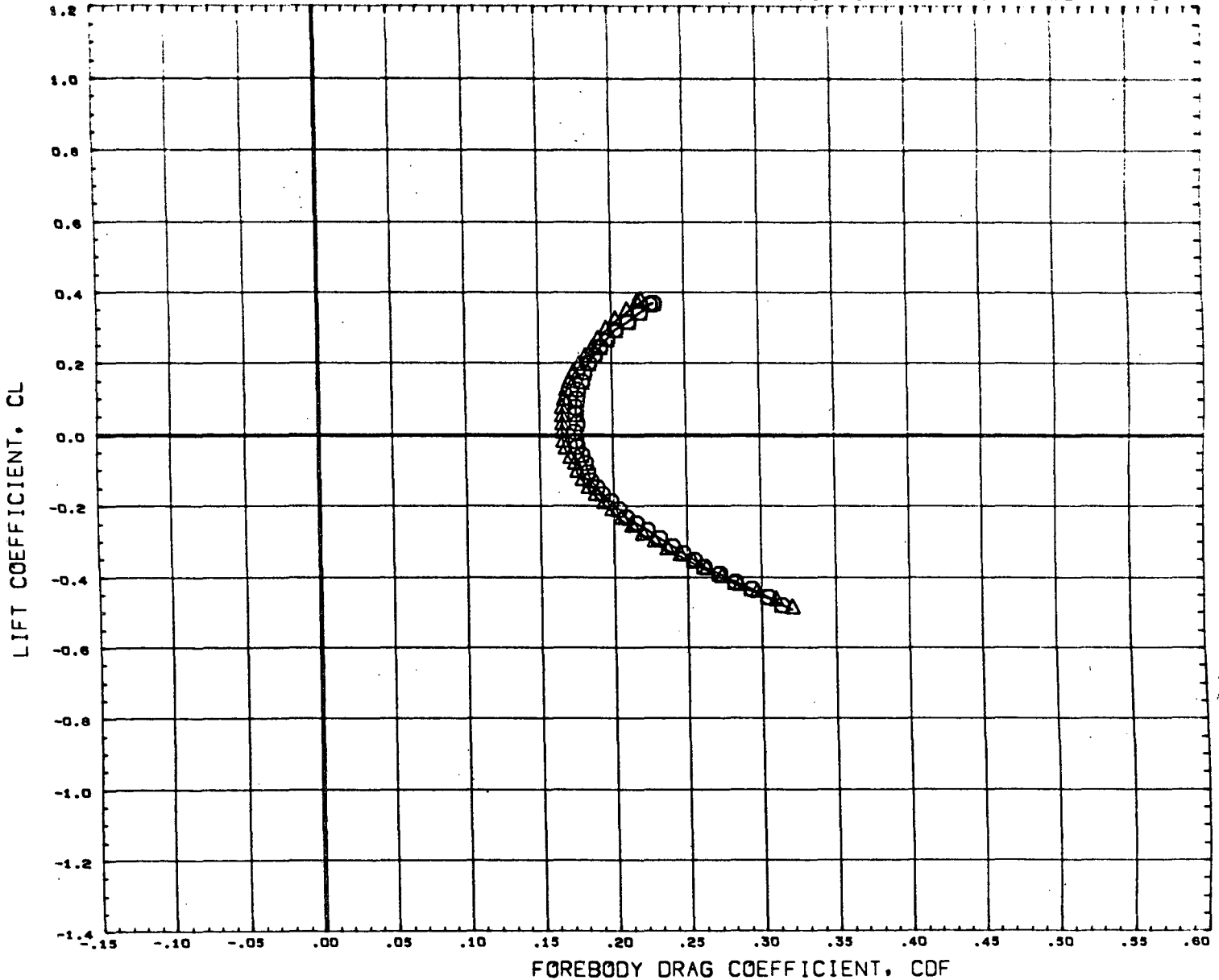
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD74C6)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5
(CD74B9)	MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5

BETA	ELEVTR	ATLRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060 SCALE

MACH 2.20

PAGE 943

# TANK NOSE CONE EFFECT ON LONGITUDINAL CHAR. OF CONFIG. (01V1)T1B5 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD74C6)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5
(CD74B9)	MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5

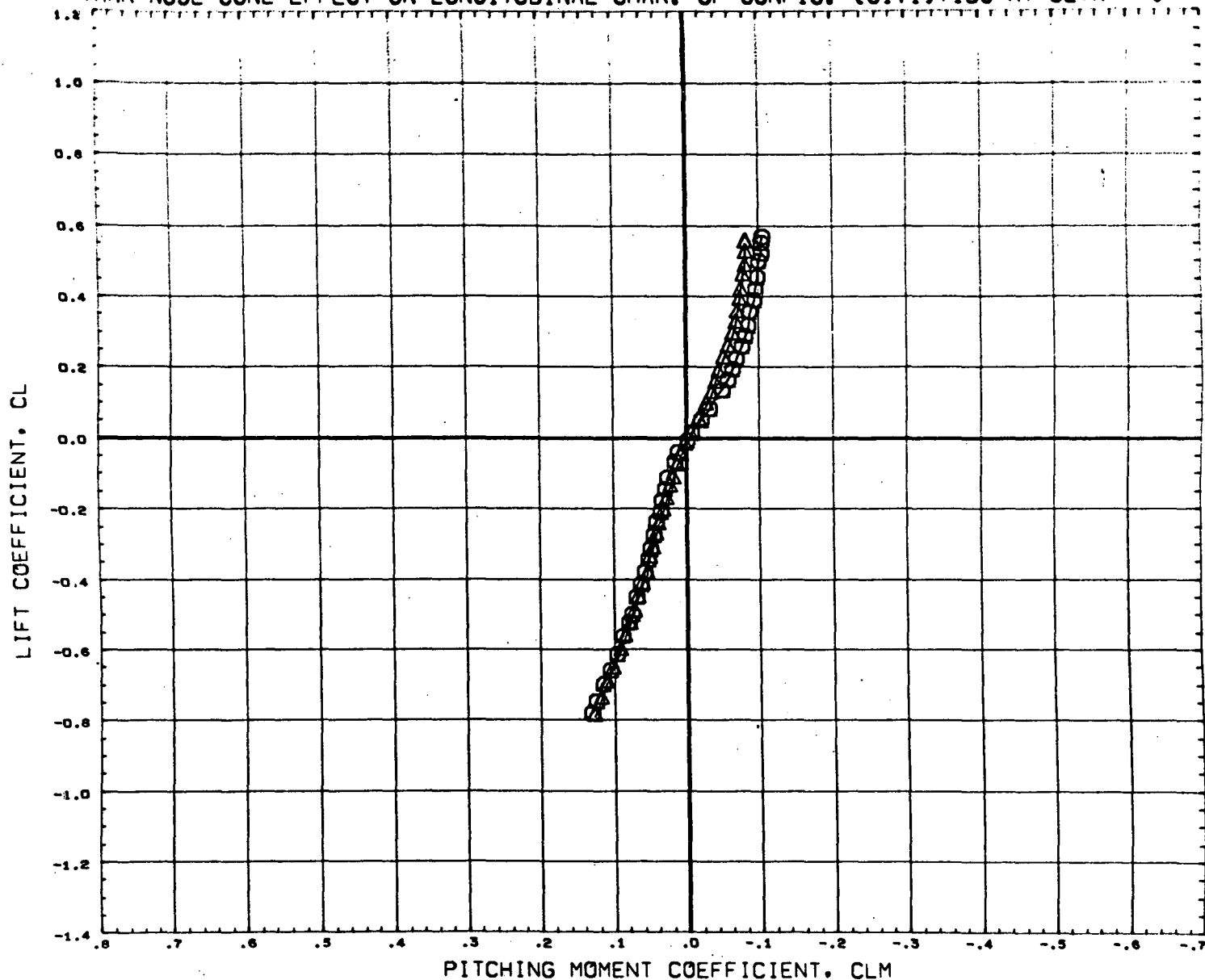
BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION	
SREF	3155.3040 SQ.FT.
LREF	609.5004 IN.
BREF	882.0004 IN.
XMRP	557.0004 IN.
YMRP	0.0000 IN.
ZMRP	200.0004 IN.
SCALE	0.0060 SCALE

MACH 4.47

PAGE 944

# TANK NOSE CONE EFFECT ON LONGITUDINAL CHAR. OF CONFIG. (O1V1)T185 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD74C6) MDAC S-222 COMPOSITE (T-CG) (O1V1) T185  
(CD74B9) MDAC S-222 COMPOSITE (T-CG) (O1V1) T285

BETA ELEVTR AILRON RUDDER

0.000 0.000 0.000 0.000  
0.000 0.000 0.000 0.000

REFERENCE INFORMATION

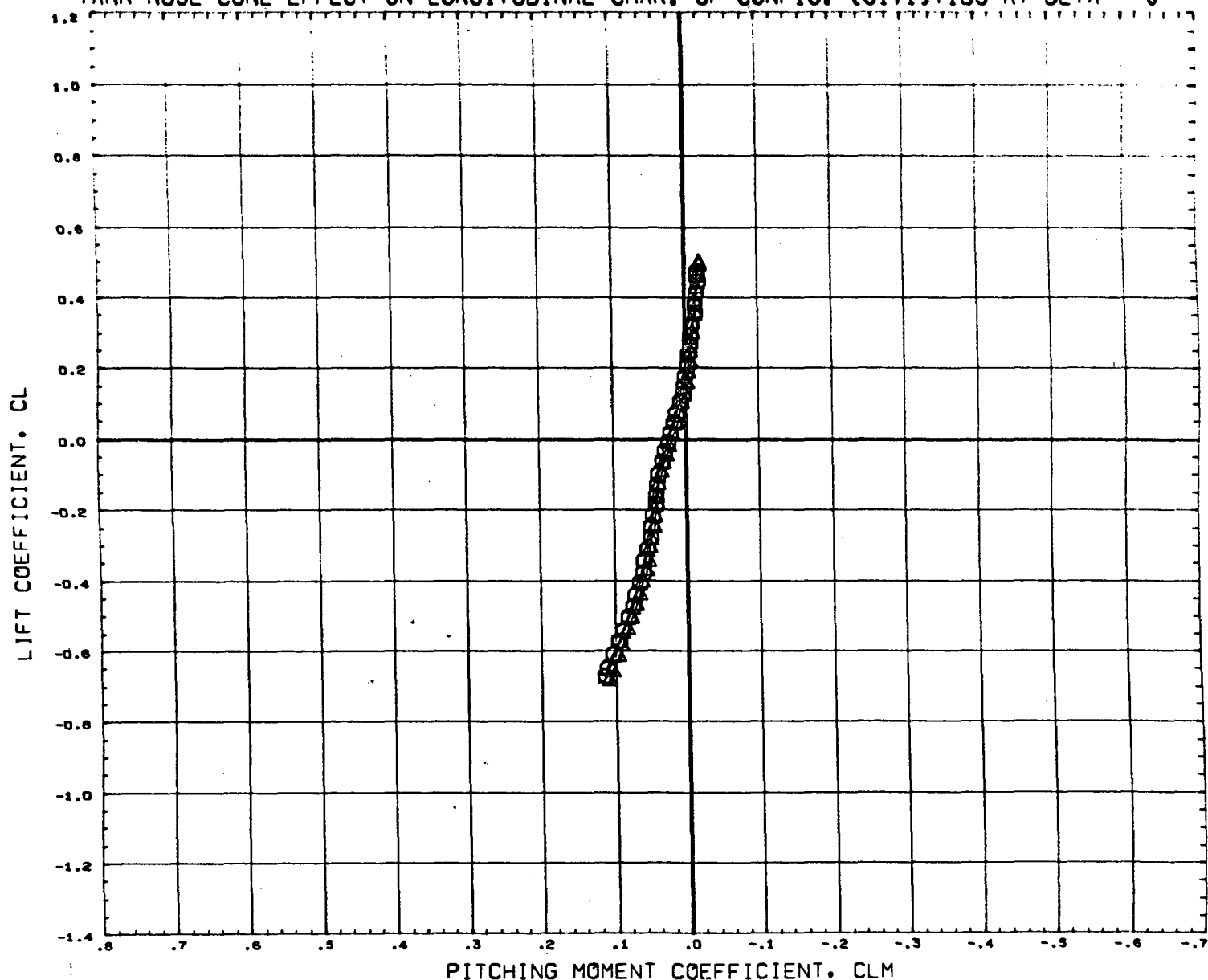
SREF 3155.3040 SQ.FT.  
LREF 609.5004 IN.  
BREF 882.0004 IN.  
XMRP 557.0004 IN.  
YMRP 0.0000 IN.  
ZMRP 200.0004 IN.  
SCALE 0.0060 SCALE

MACH

1.51

PAGE 945

# TANK NOSE CONE EFFECT ON LONGITUDINAL CHAR. OF CONFIG. (01V1)T1B5 AT BETA = 0

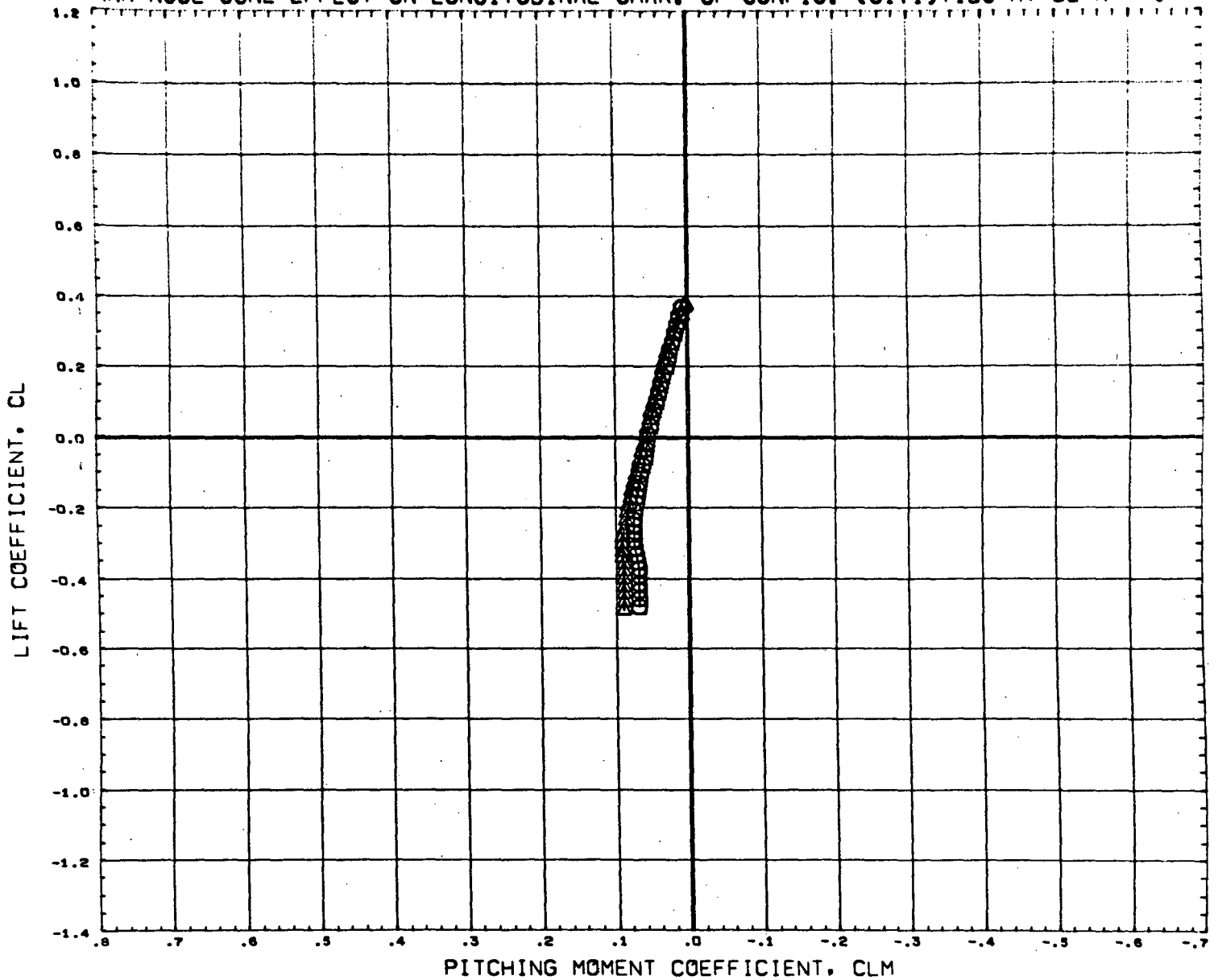


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD74C6)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74B9)	MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060 SCALE

MACH 2.20

PAGE 946

# TANK NOSE CONE EFFECT ON LONGITUDINAL CHAR. OF CONFIG. (01V1)T1B5 AT BETA = 0

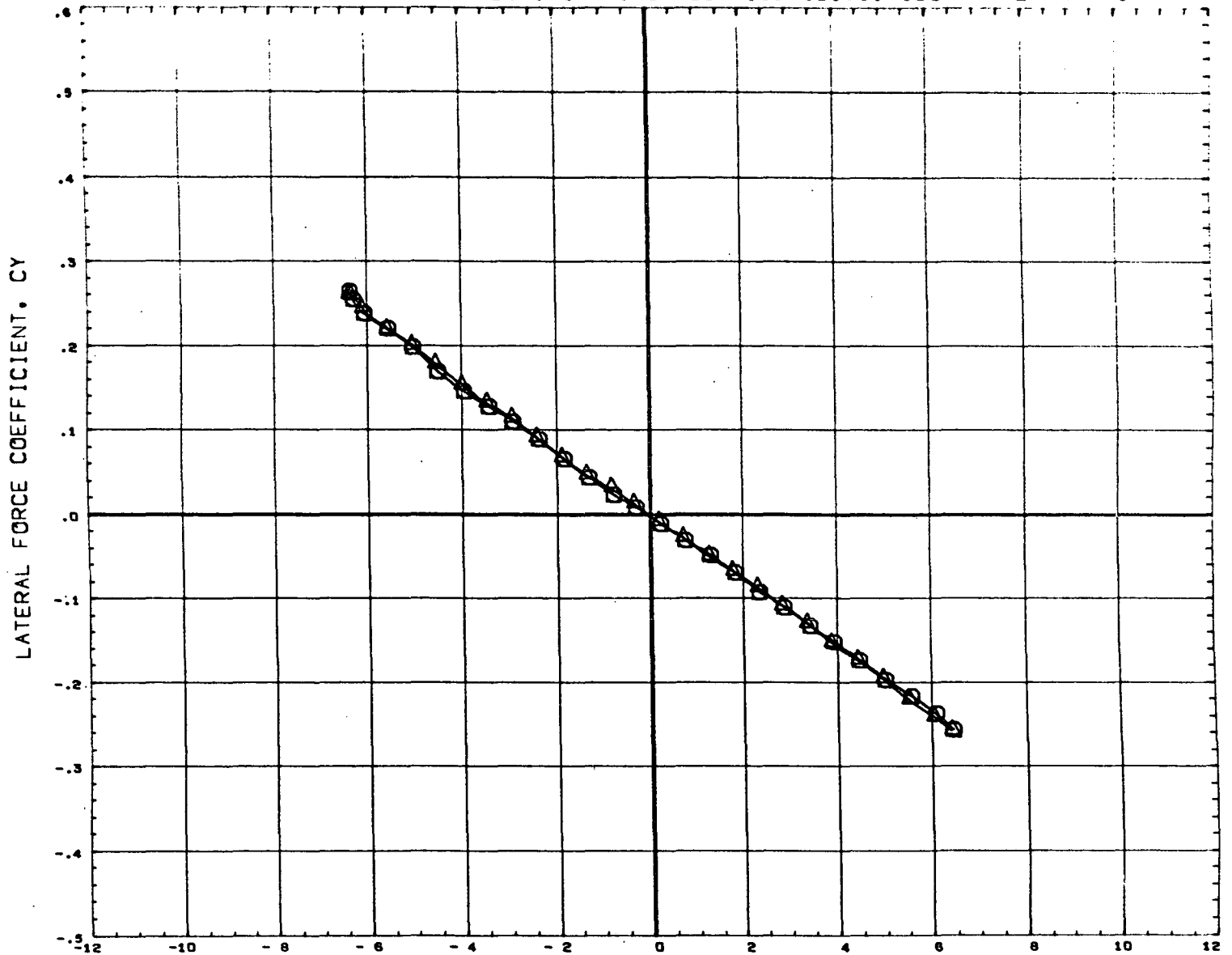


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD74C6)	MDAC S-222 COMPOSITE(T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74B9)	MDAC S-222 COMPOSITE(T-CG) (01V1)T2B5	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060 SCALE



MACH 4.47

PAGE 947

# TANK NOSE CONE EFFECT ON LAT-DIR. CHAR. OF CONFIG. (01V1)T1B5 AT ALPHA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RD74B6)  MDAC S-222 COMPOSITE(T-CG) (01V1)T1B5  
 (RD74E8)  MDAC S-222 COMPOSITE(T-CG) (01V1)T2B5

ALPHA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

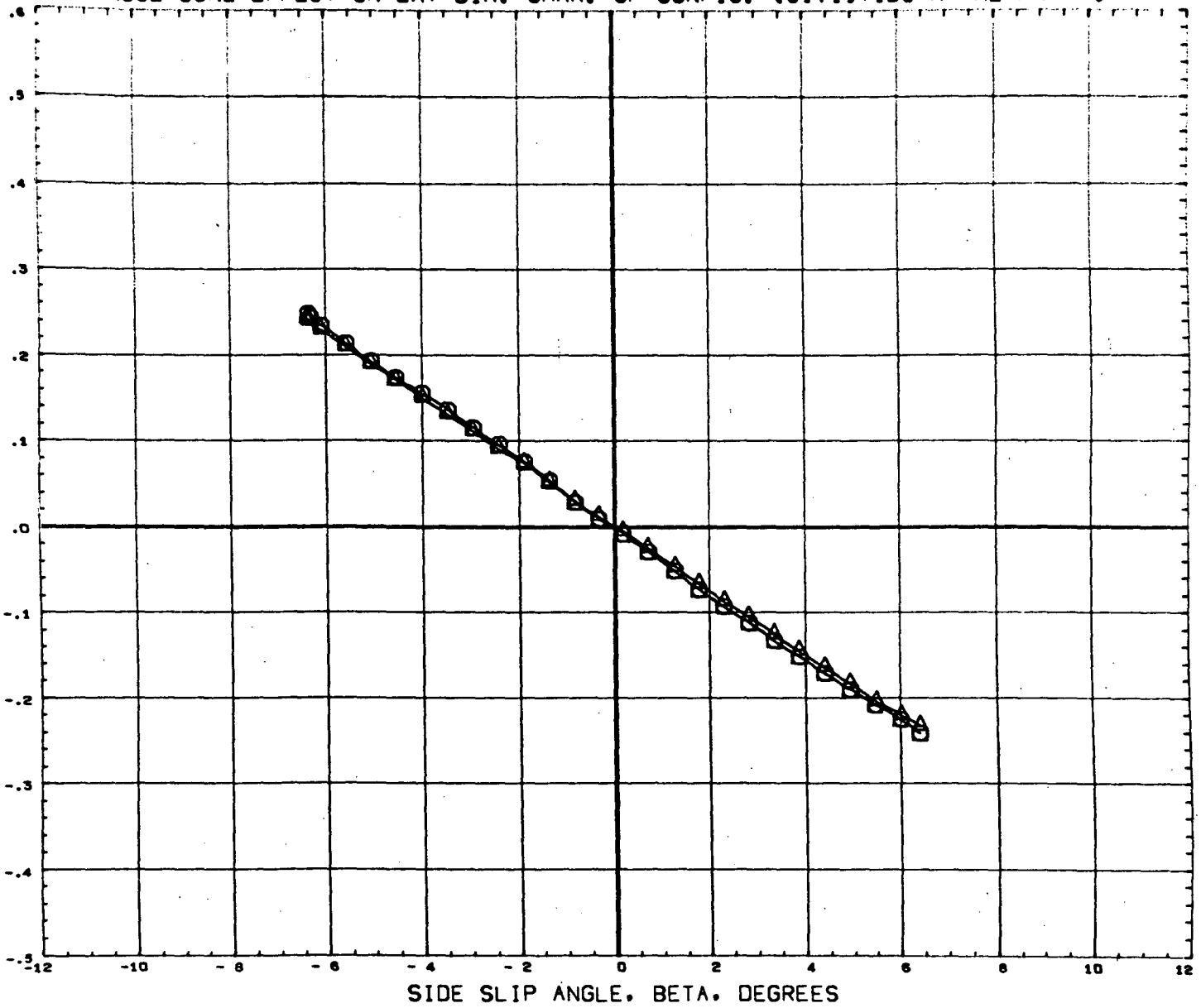
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
YMRP	557.0004	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE

MACH 1.51

PAGE 948

# TANK NOSE CONE EFFECT ON LAT-DIR. CHAR. OF CONFIG. (01V1)T1B5 AT ALPHA = 0

LATERAL FORCE COEFFICIENT, CY



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RD74B6) (RD74ER) MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5  
MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5

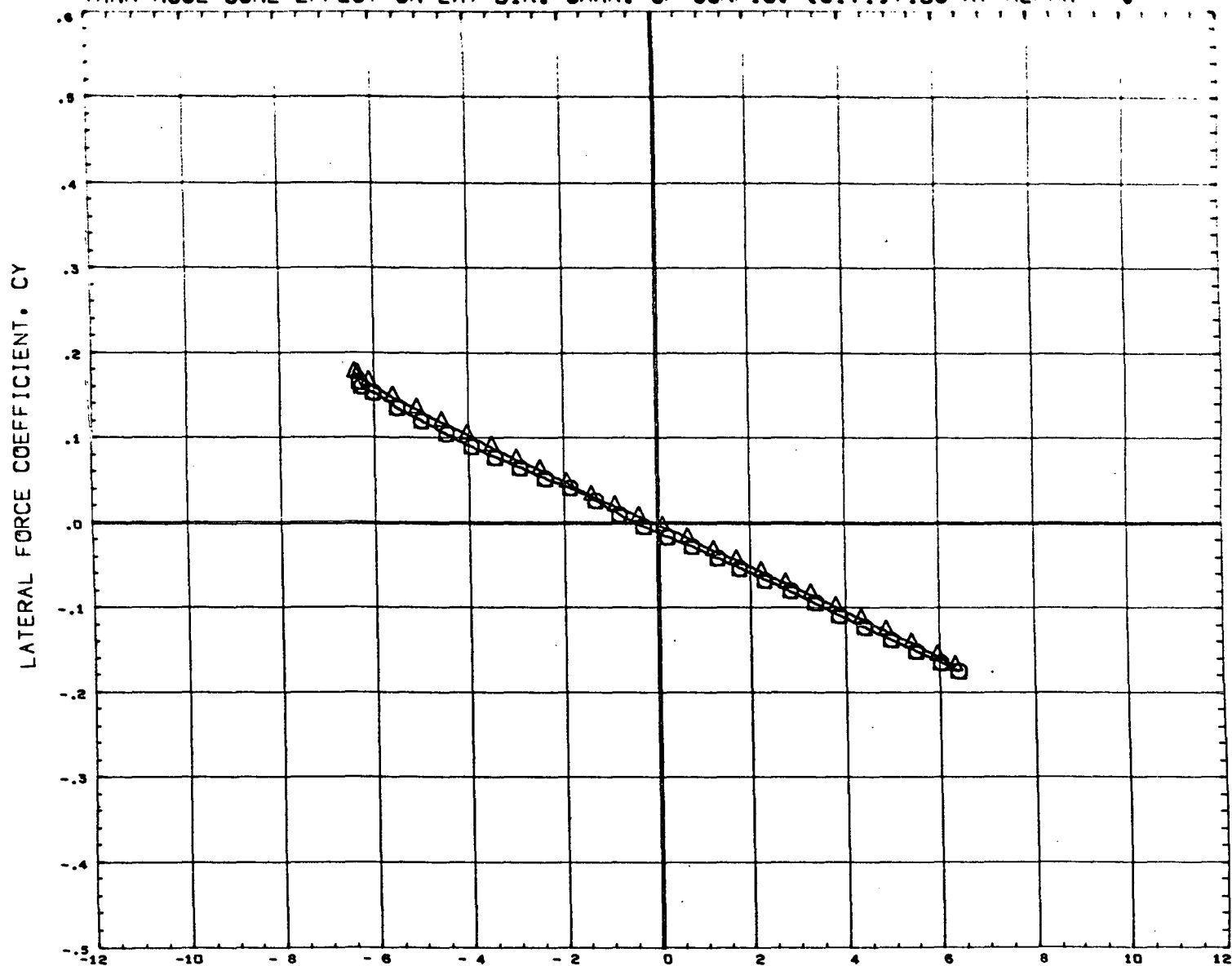
ALPHA ELEVTR AILRON RUDDER  
0.000 0.000 0.000 0.000  
0.000 0.000 0.000 0.000

REFERENCE INFORMATION  
SREF 3155.3040 SQ.FT.  
LREF 609.5004 IN.  
BREF 882.0004 IN.  
XMRP 557.0004 IN.  
YMRP 0.0000 IN.  
ZMRP 200.0004 IN.  
SCALE 0.0060 SCALE

MACH 2.20

PAGE 949

# TANK NOSE CONE EFFECT ON LAT-DIR. CHAR. OF CONFIG. (01V1)T1B5 AT ALPHA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RD74B5) (01V1)T1B5  
(RD74B5) (01V1)T2B5

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRF	557.0004 IN.
				YMRF	0.0000 IN.
				ZMRF	200.0004 IN.
				SCALE	0.0060 SCALE

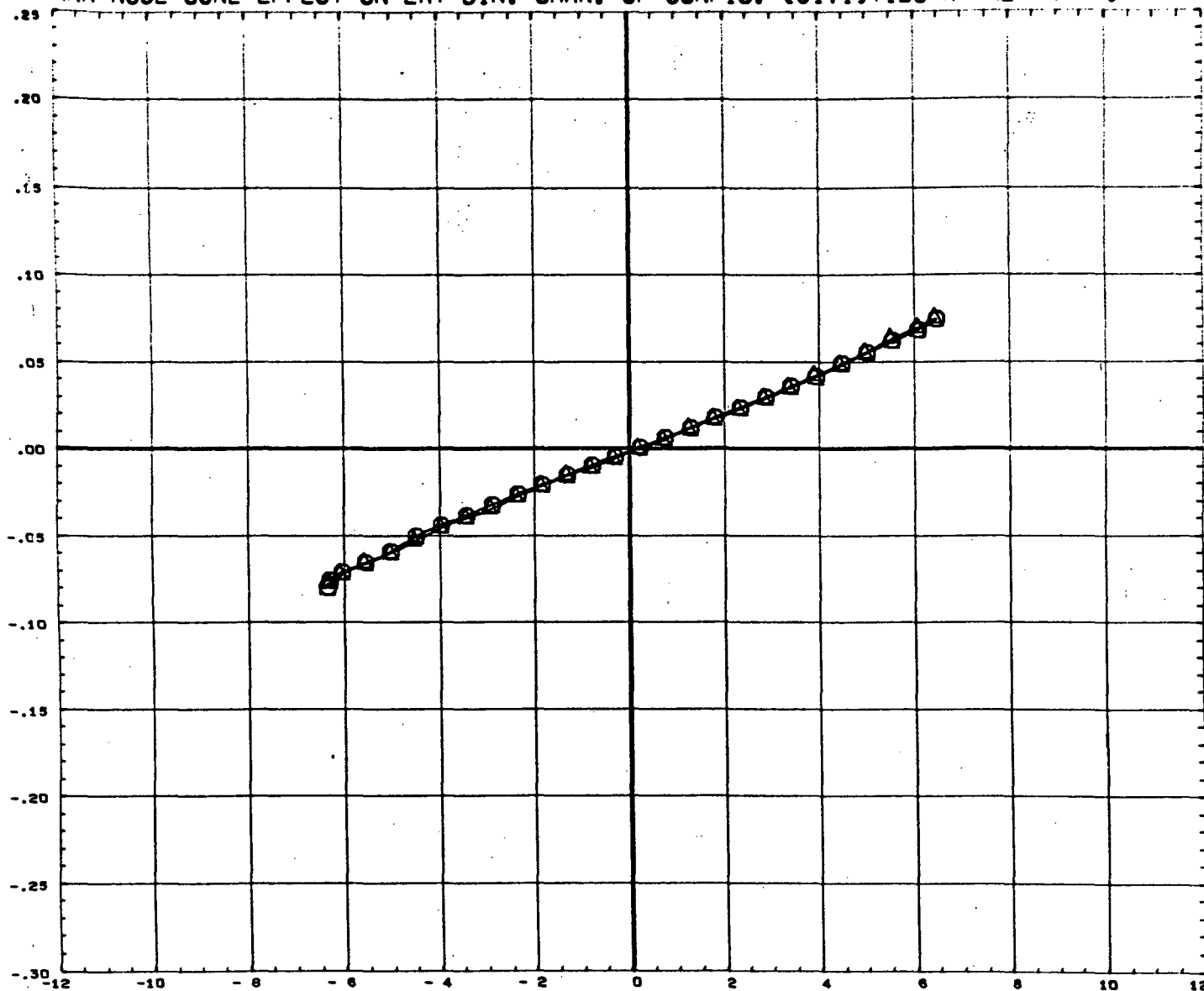
MACH 4.47

PAGE 950



# TANK NOSE CONE EFFECT ON LAT-DIR. CHAR. OF CONFIG. (01V1)T1B5 AT ALPHA = 0

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

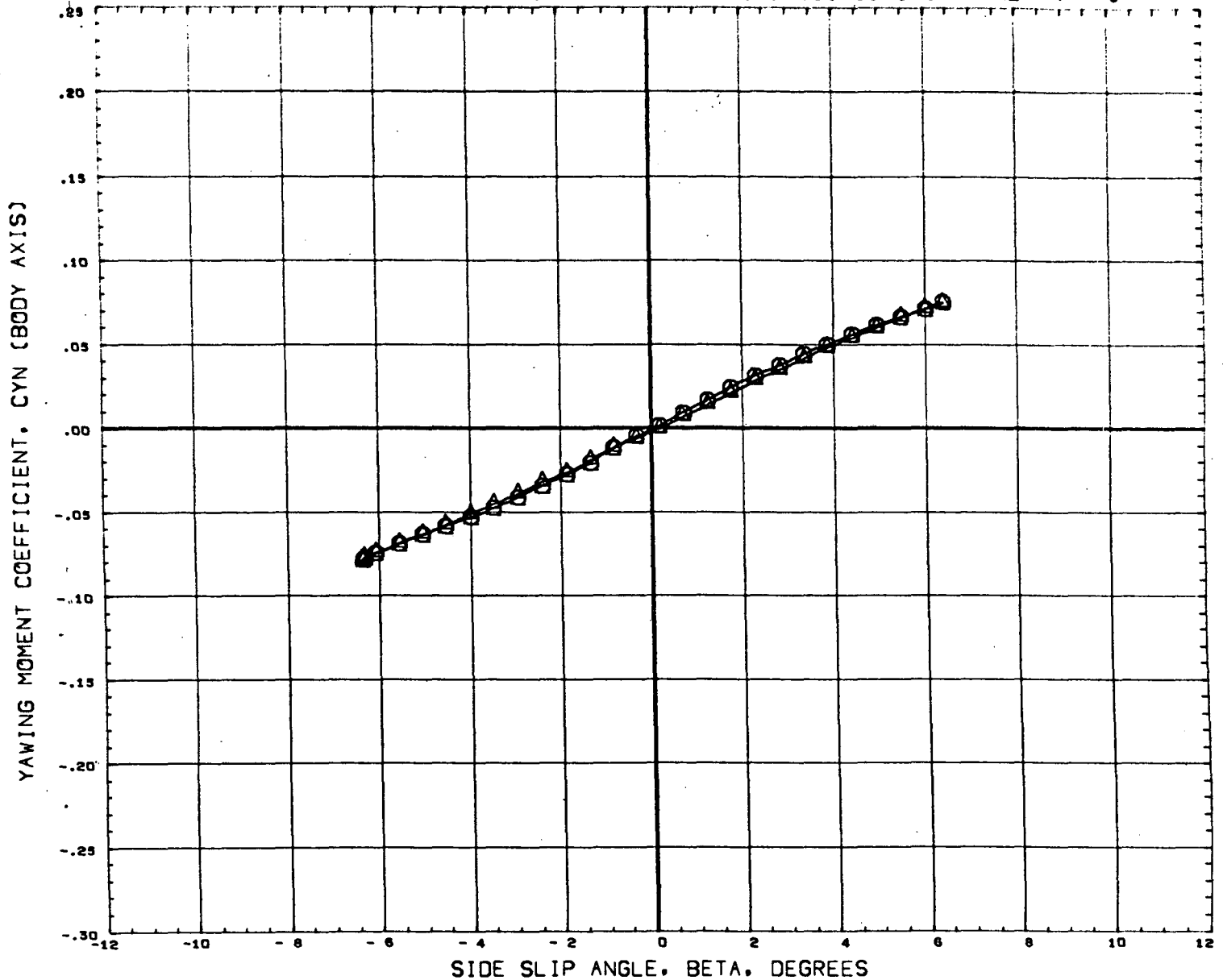


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD74B6)	MDAC S-222 COMPOSITE(T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD74E8)	MDAC S-222 COMPOSITE(T-CG) (01V1)T2B5	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060 SCALE

MACH 1.51

PAGE 951

# TANK NOSE CONE EFFECT ON LAT-DIR. CHAR. OF CONFIG. (01V1)T1B5 AT ALPHA = 0



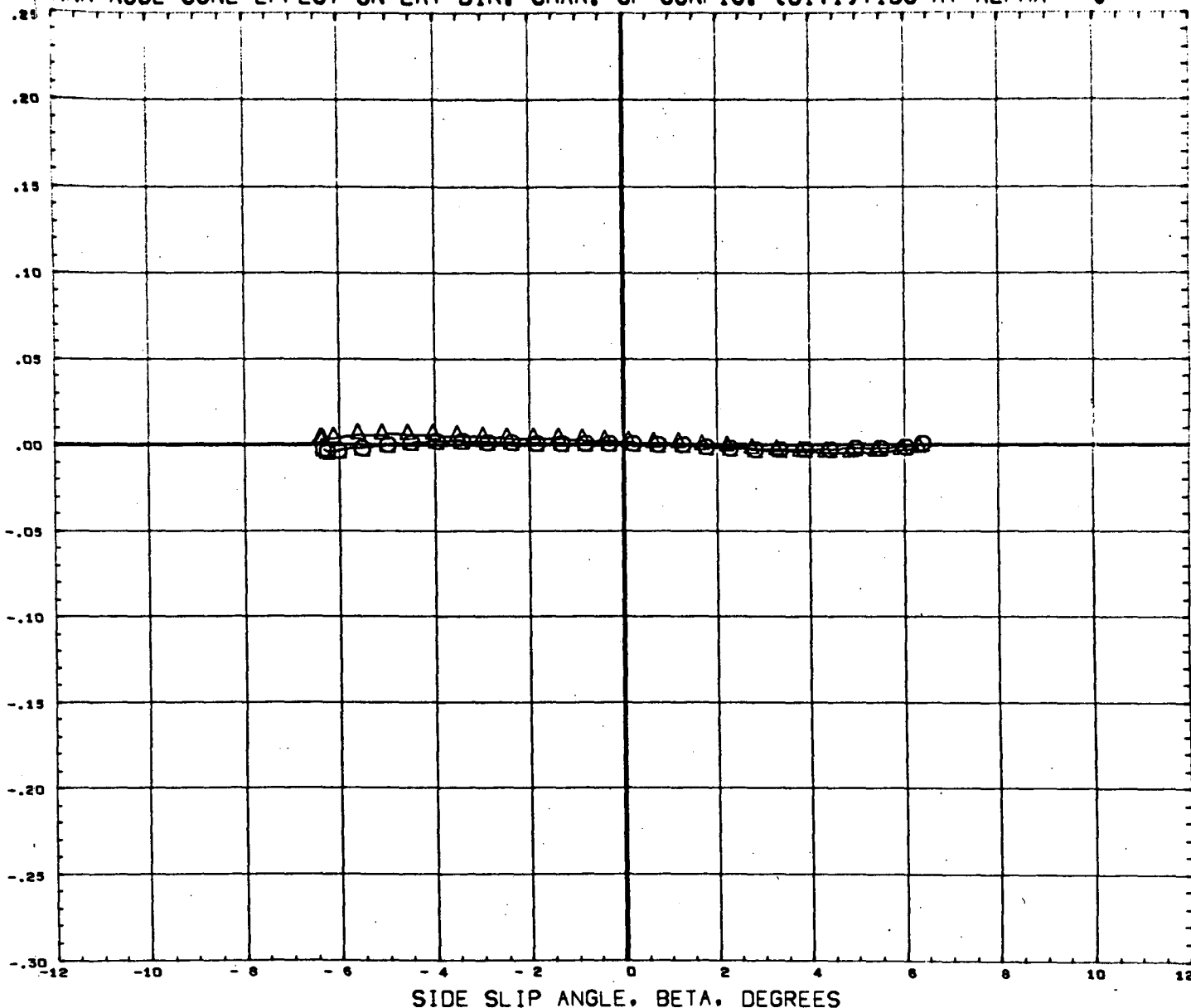
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(RD74B6)	MDAC S-222 COMPOSITE (T-CG) (01V1) T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(RD74E8)	MDAC S-222 COMPOSITE (T-CG) (01V1) T2B5	0.000	0.000	0.000	0.000	LREF	609.5004	IN.
						BREF	882.0004	IN.
						YMRP	557.0004	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	SCALE

MACH 2.20

PAGE 952

# TANK NOSE CONE EFFECT ON LAT-DIR. CHAR. OF CONFIG. (01V1)T1B5 AT ALPHA = 0

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

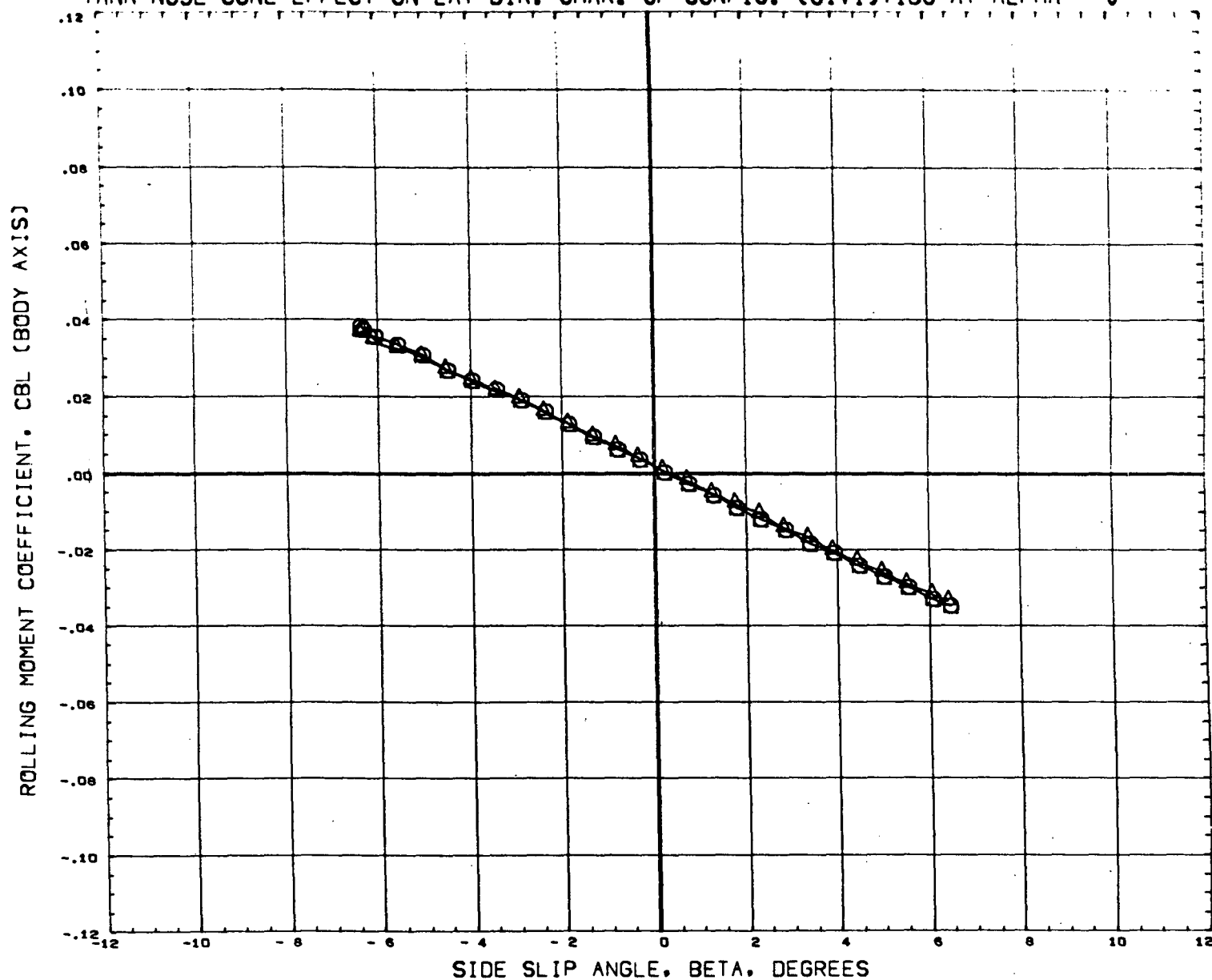


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7406)	MDAC S-222 COMPOSITE(T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7408)	MDAC S-222 COMPOSITE(T-CG) (01V1)T2B5	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060 SCALE

MACH 4.47

PAGE 953

# TANK NOSE CONE EFFECT ON LAT-DIR. CHAR. OF CONFIG. (01V1)T1B5 AT ALPHA = 0



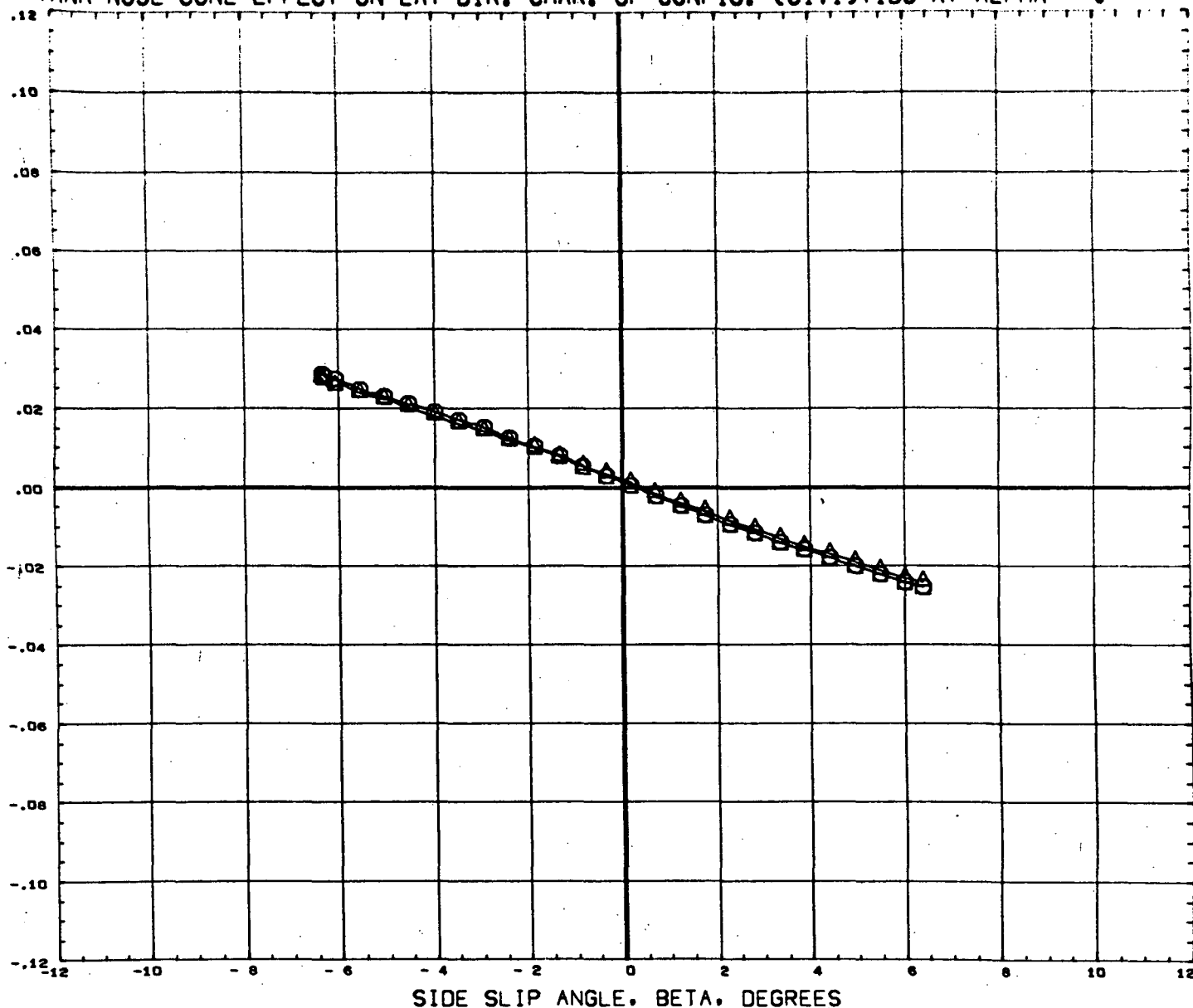
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD74B6)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD74E8)	MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060 SCALE

MACH 1.51

PAGE 954

# TANK NOSE CONE EFFECT ON LAT-DIR. CHAR. OF CONFIG. (01V1)T1B5 AT ALPHA = 0

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



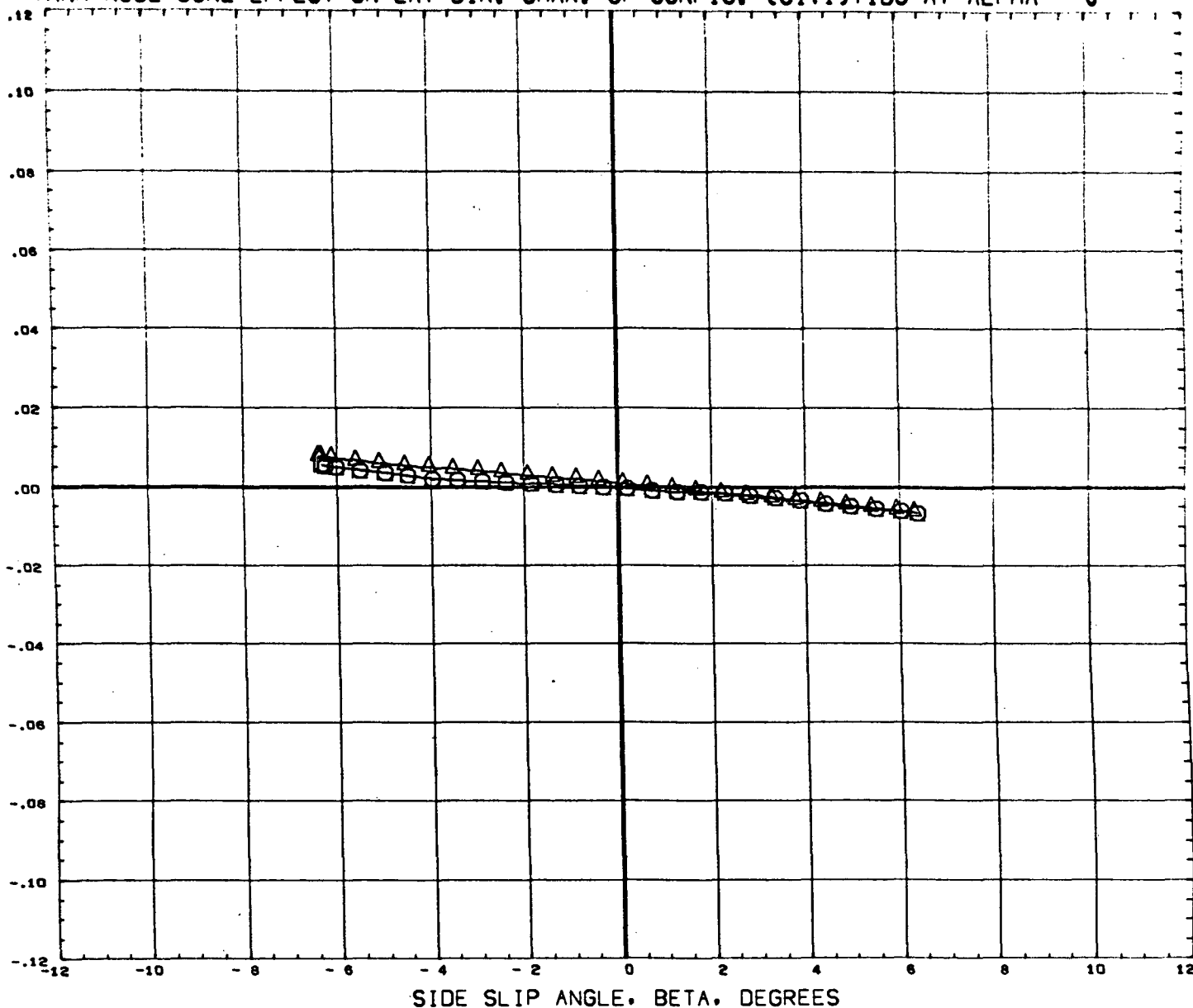
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD74B6)	MDAC S-222 COMPOSITE(T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD74E8)	MDAC S-222 COMPOSITE(T-CG) (01V1)T2B5	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060 SCALE

MACH 2.20

PAGE 955

# TANK NOSE CONE EFFECT ON LAT-DIR. CHAR. OF CONFIG. (01V1)T1B5 AT ALPHA = 0

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(R074B6)	MDAC S-222 COMPOSITE (T-CG) (01V1) T1B5
(R074E8)	MDAC S-222 COMPOSITE (T-CG) (01V1) T2B5

ALPHA	ELEVTR	ATLON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

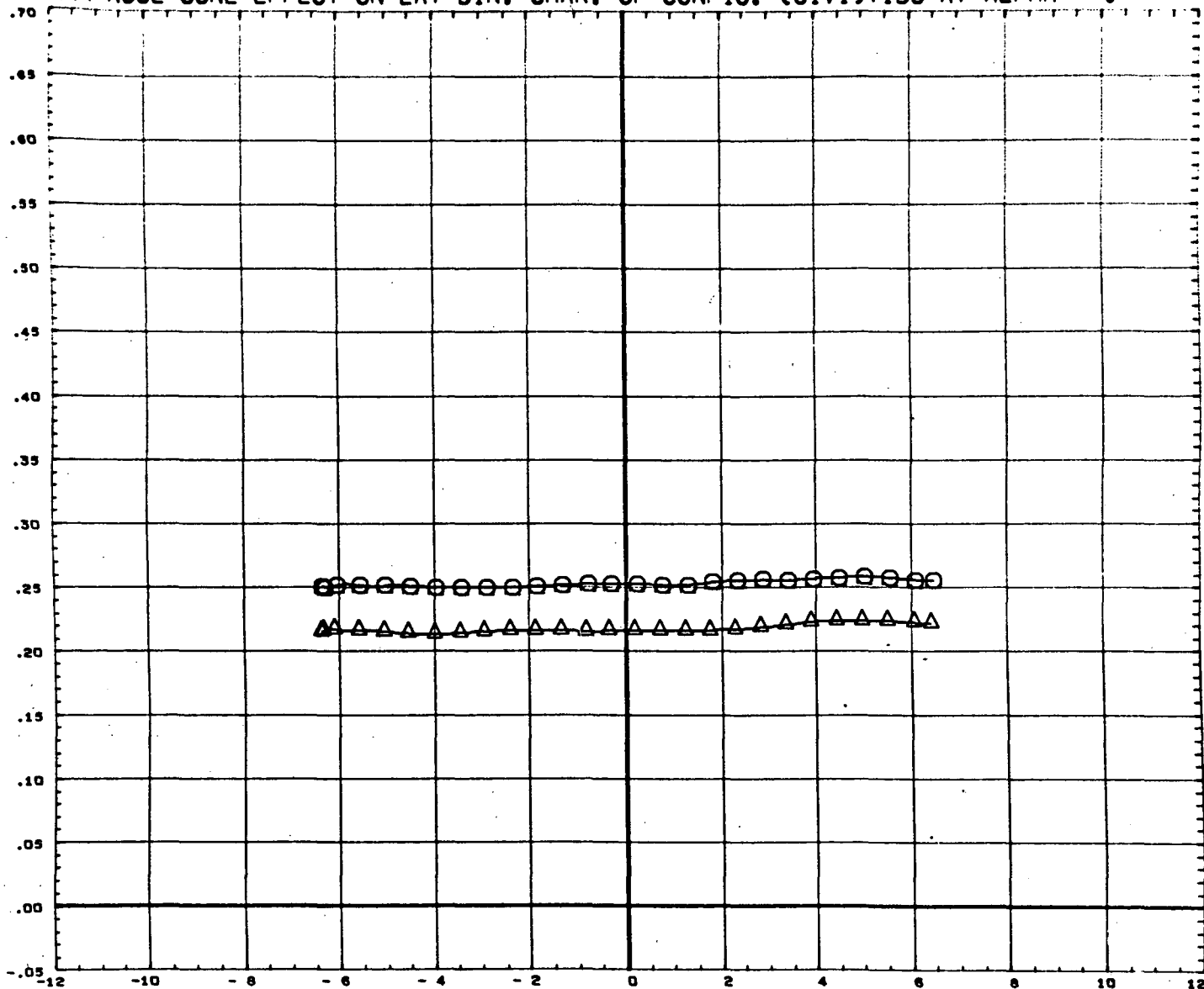
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	537.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE

MACH 4.47

PAGE 956

# TANK NOSE CONE EFFECT ON LAT-DIR. CHAR. OF CONFIG. (01V1)T1B5 AT ALPHA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF



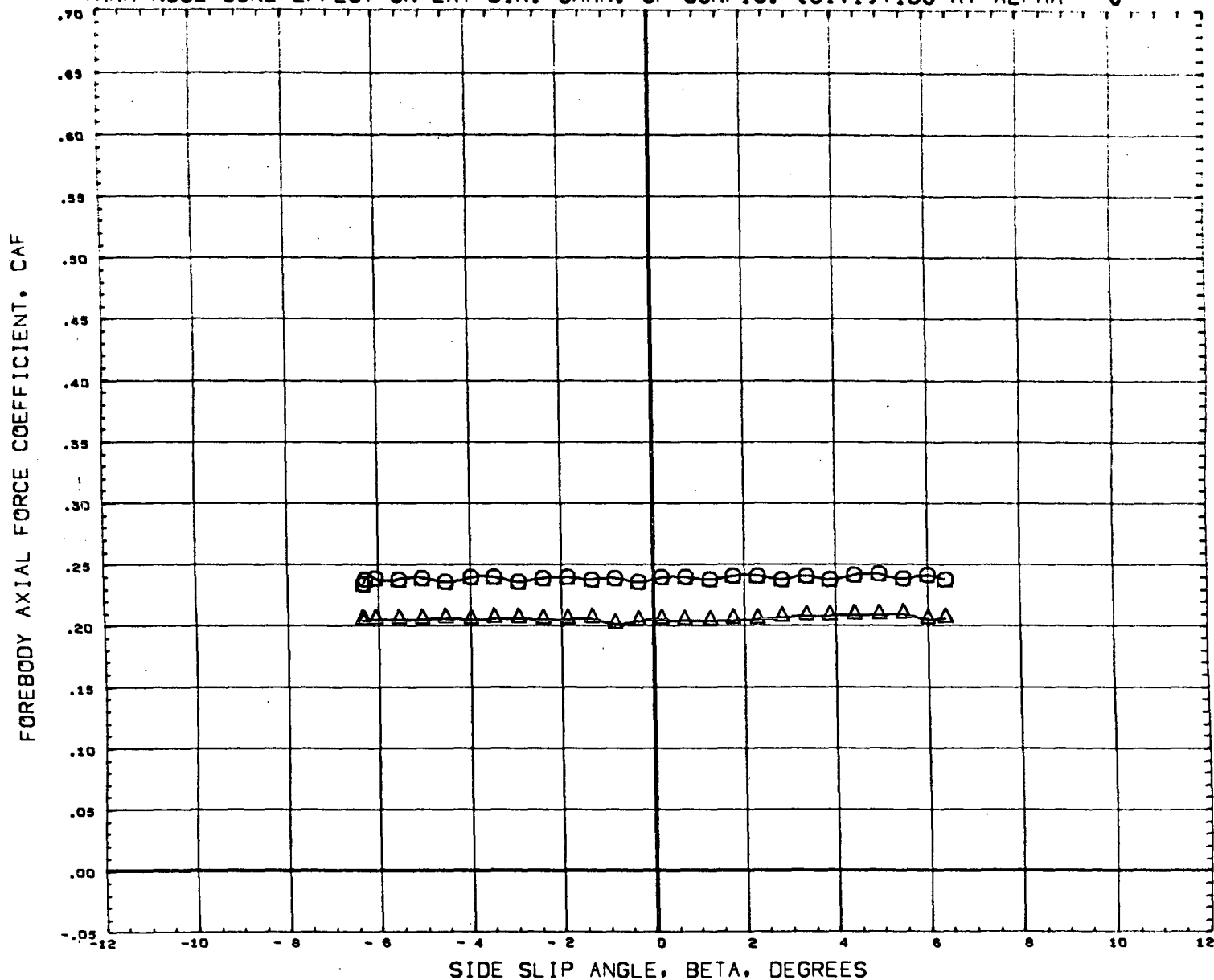
SIDE SLIP ANGLE, BETA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7488)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7488)	MDAC S-222 COMPOSITE (T-CG) (01V1)T1B5	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060 SCALE

MACH 1.51

PAGE 957

# TANK NOSE CONE EFFECT ON LAT-DIR. CHAR. OF CONFIG. (01V1)T1B5 AT ALPHA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(RD74B6)	MDAC S-222 COMPOSITE (T-CG) (01V1) T1B5	0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(RD74E8)	MDAC S-222 COMPOSITE (T-CG) (01V1) T2B5	0.000	0.000	0.000	0.000	LREF	609.5004	IN.
						BREF	882.0004	IN.
						XMRF	557.0004	IN.
						YMRF	0.0000	IN.
						ZMRF	200.0004	IN.
						SCALE	0.0060	SCALE

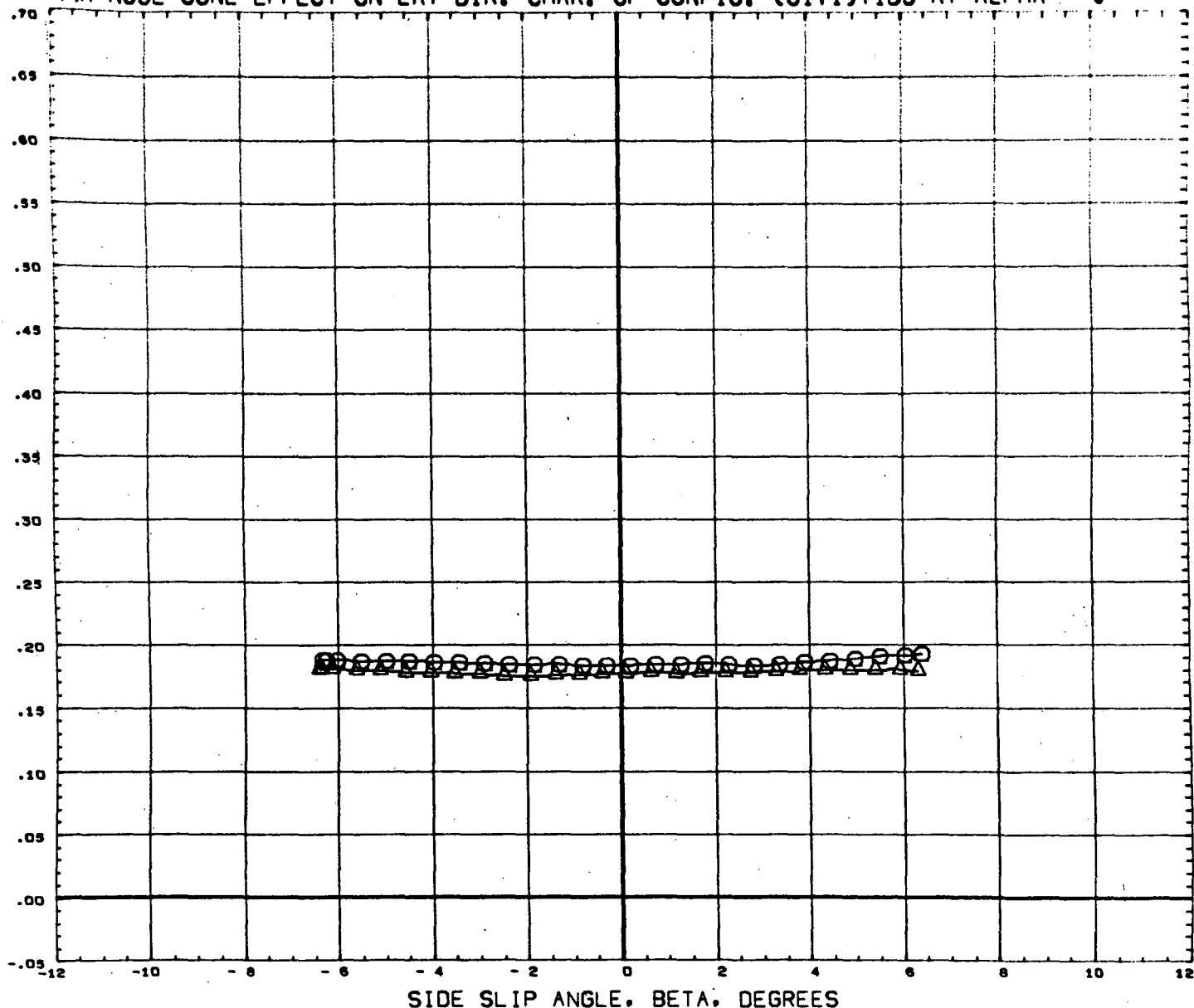
MACH 2.20

PAGE 958



# TANK NOSE CONE EFFECT ON LAT-DIR. CHAR. OF CONFIG. (01V1)T1B5 AT ALPHA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF



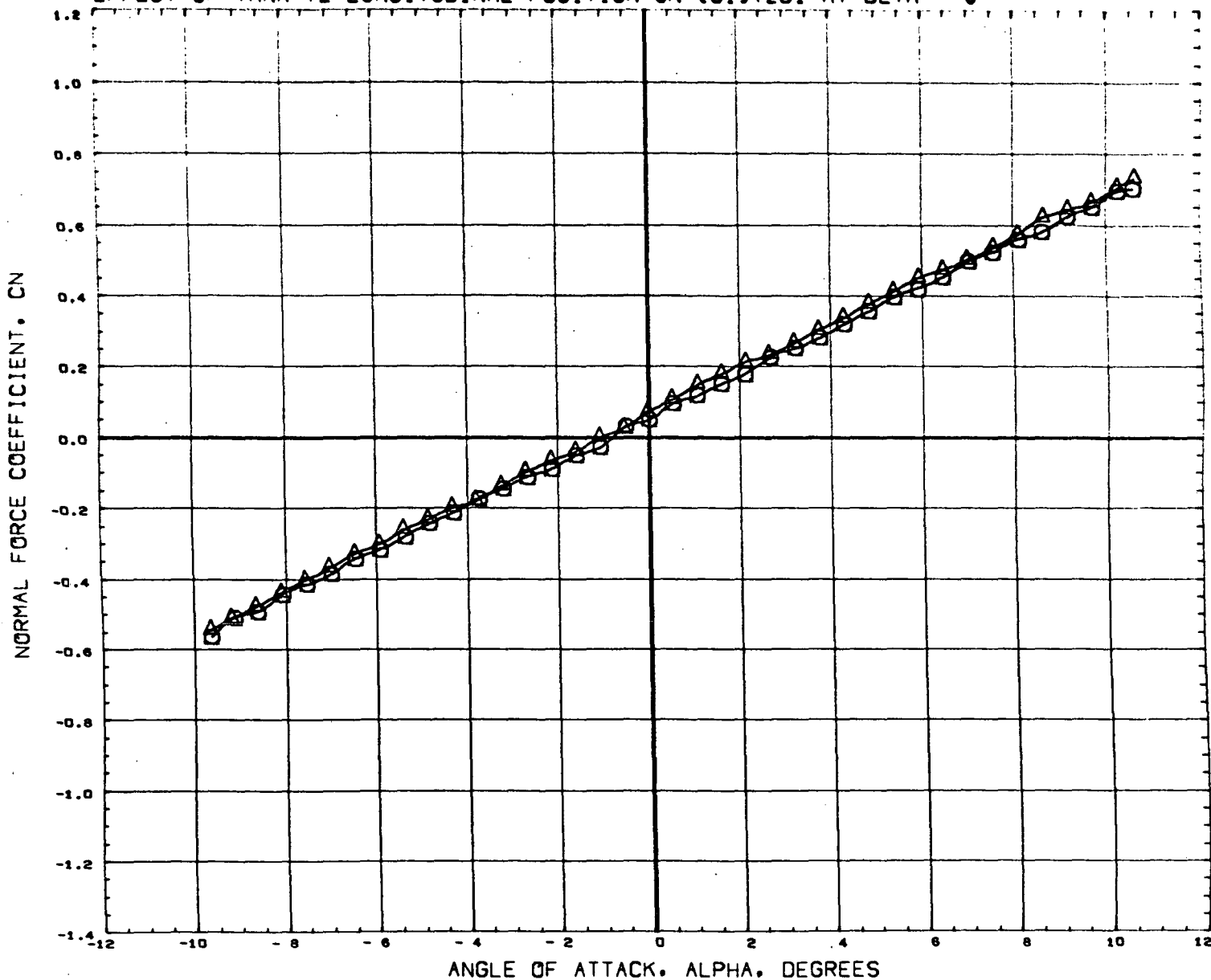
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (R074B6) (R074E8) MDAC S-222 COMPOSITE(T-CG) (01V1)T1B5  
 (R074E8) MDAC S-222 COMPOSITE(T-CG) (01V1)T2B5

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060 SCALE

MACH 4.47

PAGE 959

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (O1)T2B1 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7450)	MDAC S-222 COMPOSITE (T-CG) (O1) T2B1
(CD7465)	MDAC S-222 COMPOSITE (T-CG) (O1) T2AB1

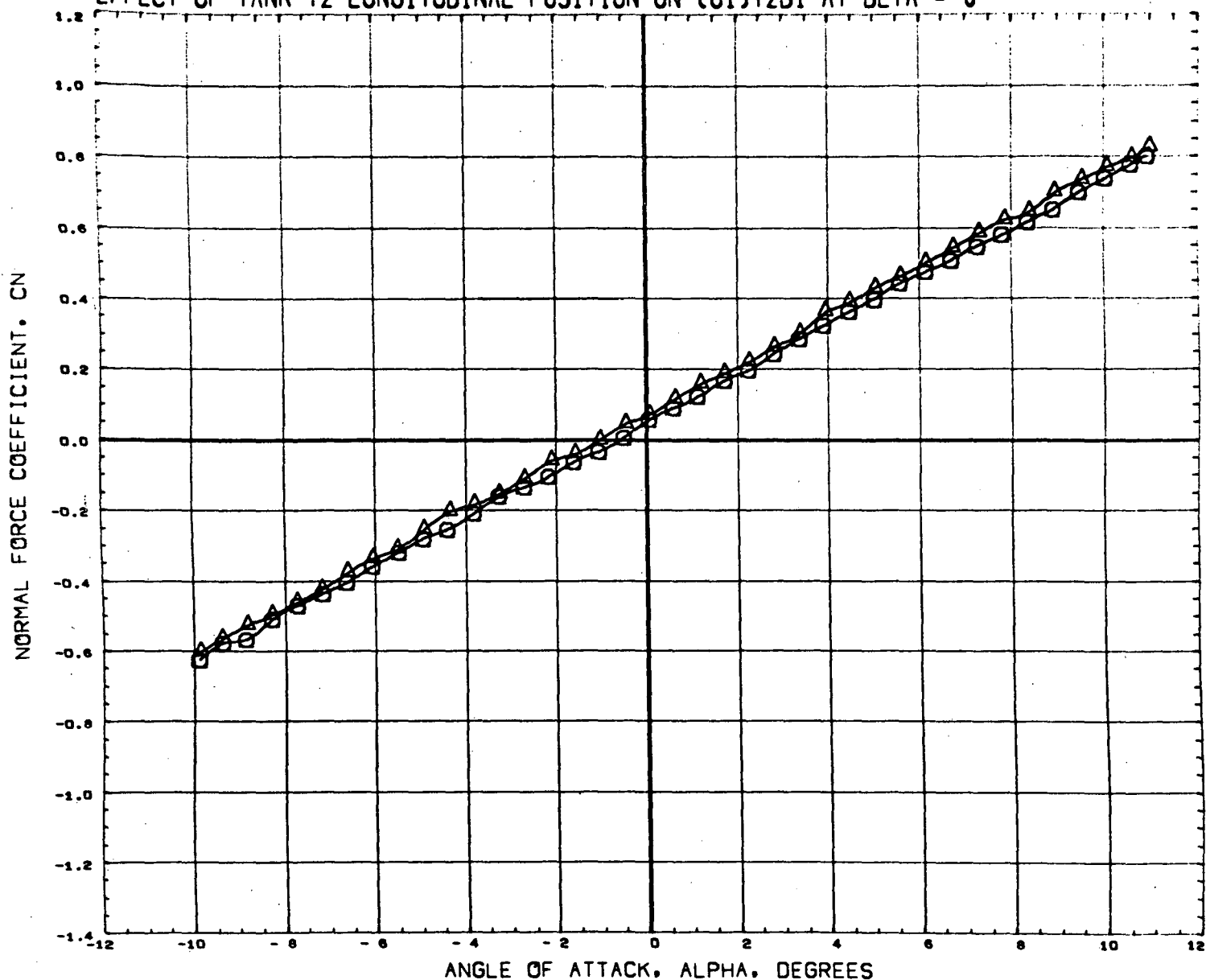
BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION	
SREF	3155.3040 SQ.FT.
LREF	609.5004 IN.
BREF	882.0004 IN.
XMRP	557.0004 IN.
YMRP	0.0000 IN.
ZMRP	200.0004 IN.
SCALE	0.0060

MACH .59

PAGE 960

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (O1)T2B1 AT BETA = 0



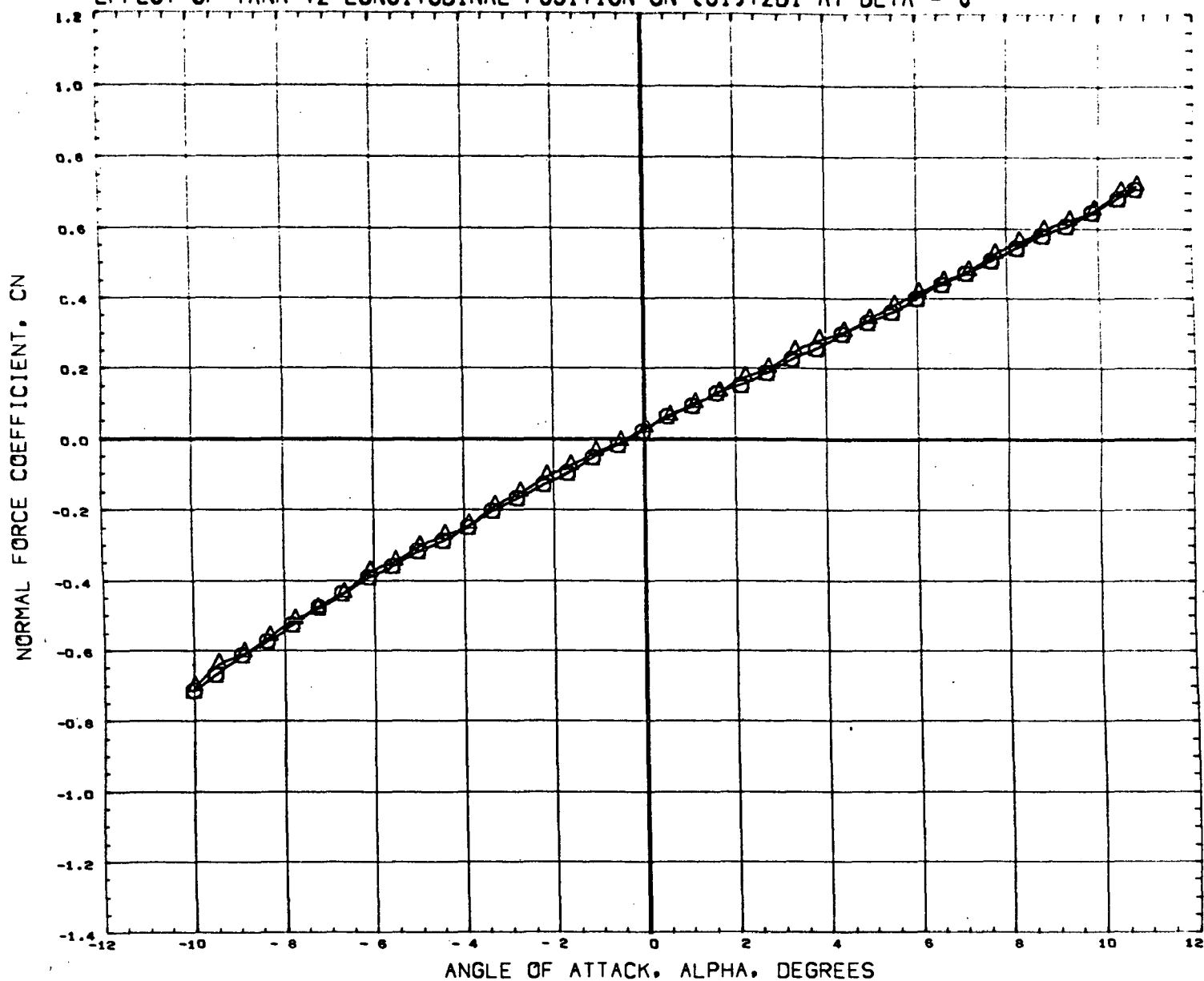
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(C07450)	MDAC S-222 COMPOSITE (T-CG) (O1) T2B1
(C07465)	MDAC S-222 COMPOSITE (T-CG) (O1) T2AB1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF 609.5004 IN.
				BREF 882.0004 IN.
				YMRP 557.0004 IN.
				ZMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH .90

PAGE 961

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01)T2B1 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7450)	MDAC S-222 COMPOSITE (T-CG) (01)T2B1
(CD7465)	MDAC S-222 COMPOSITE (T-CG) (01)T2AB1

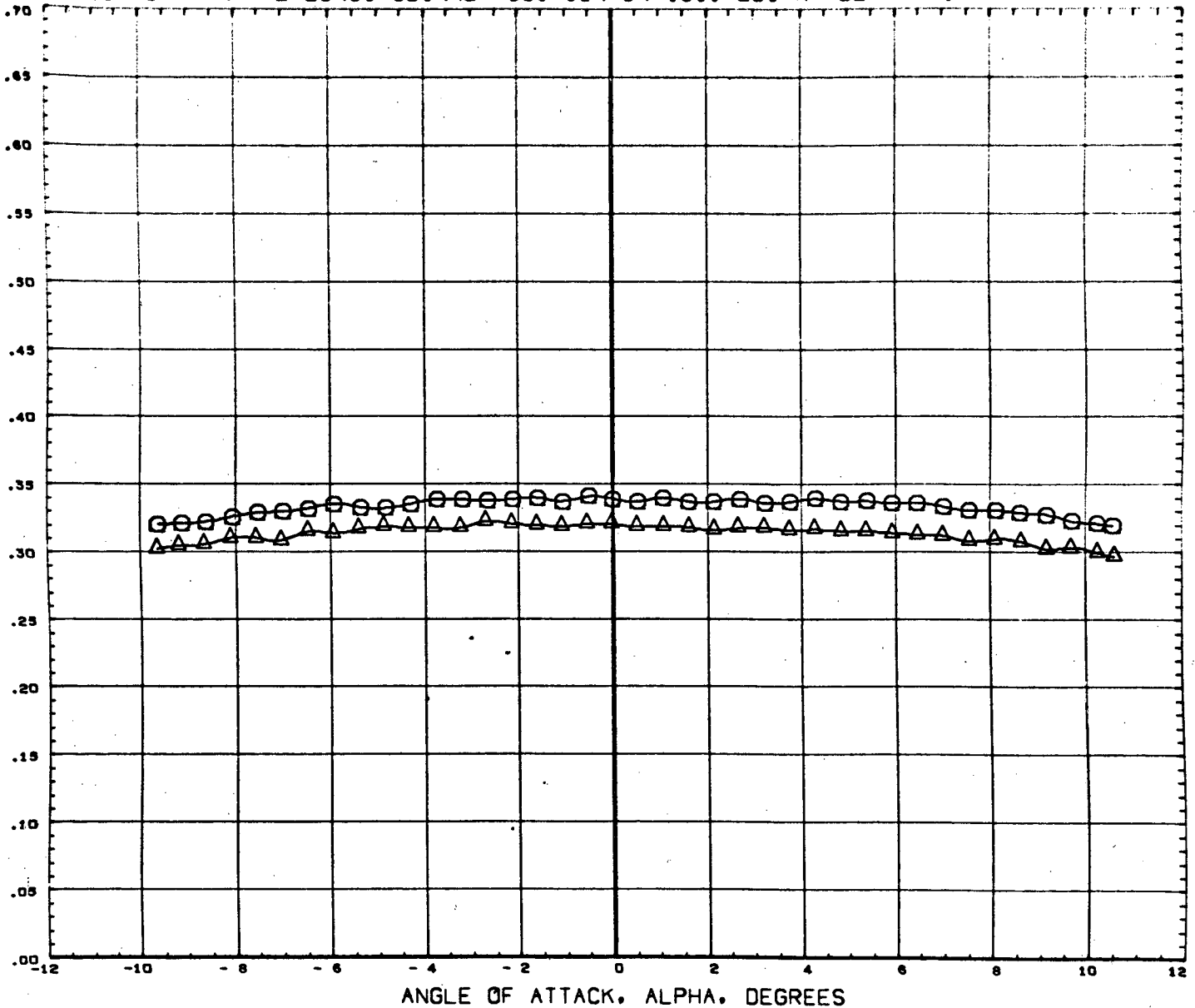
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	862.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.10



PAGE 962

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (O1)T2B1 AT BETA = 0

AXIAL FORCE COEFFICIENT, CA



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C07450)  MDAC S-222 COMPOSITE (T-CG) (O1)T2B1  
 (C07465)  MDAC S-222 COMPOSITE (T-CG) (O1)T2AB1

BETA ELEVTR AILRON RUDDER

0.000 0.000 0.000 0.000  
 0.000 0.000 0.000 0.000

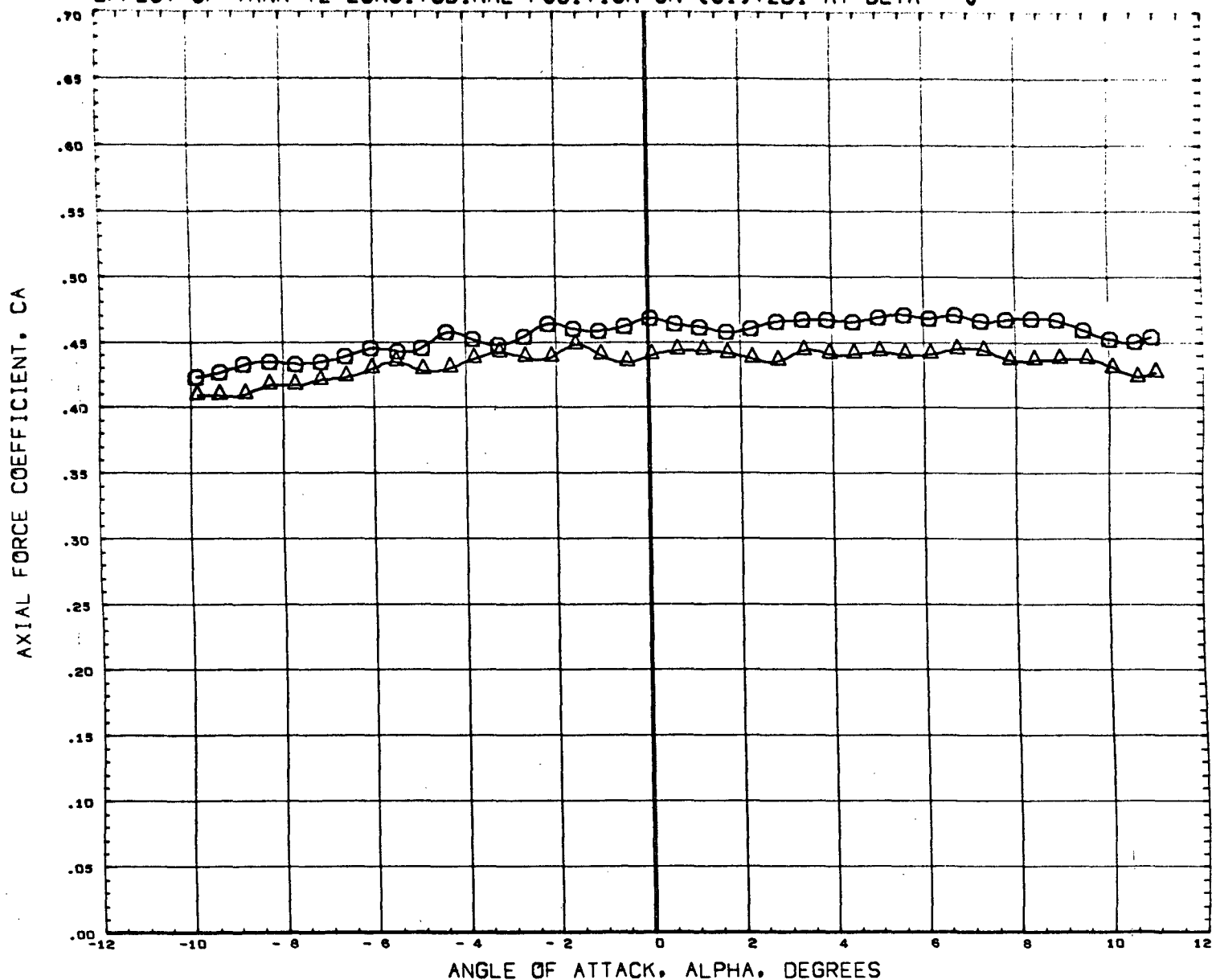
REFERENCE INFORMATION

SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH .59

PAGE 963

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (O1)T2B1 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7450)	MDAC S-222 COMPOSITE (T-CG) (O1)T2B1
(CD7465)	MDAC S-222 COMPOSITE (T-CG) (O1)T2AB1

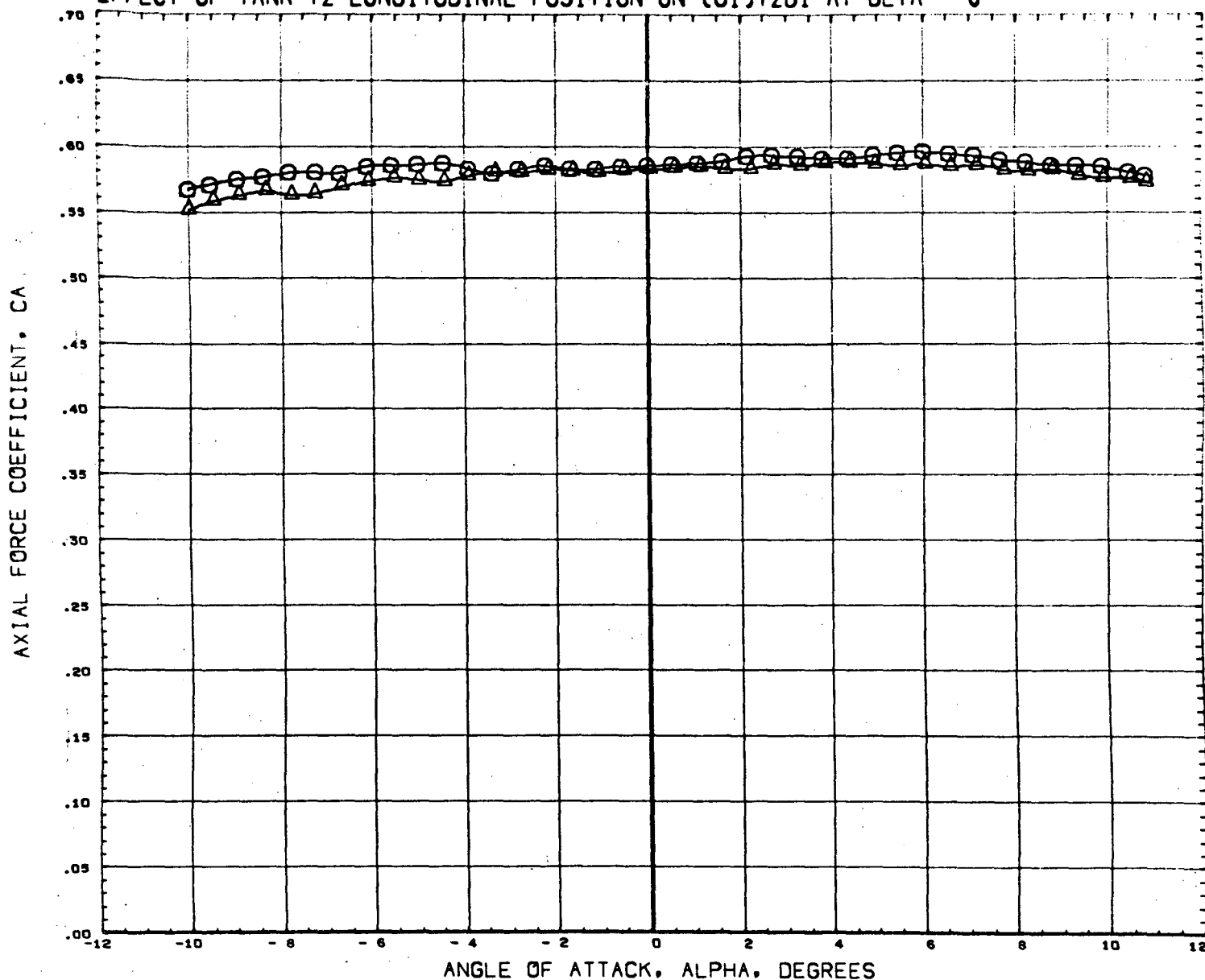
BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRF	557.0004	IN.
YMRF	0.0000	IN.
ZMRF	200.0004	IN.
SCALE	0.0060	

MACH .90

PAGE 964

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (O1)T2B1 AT BETA = 0

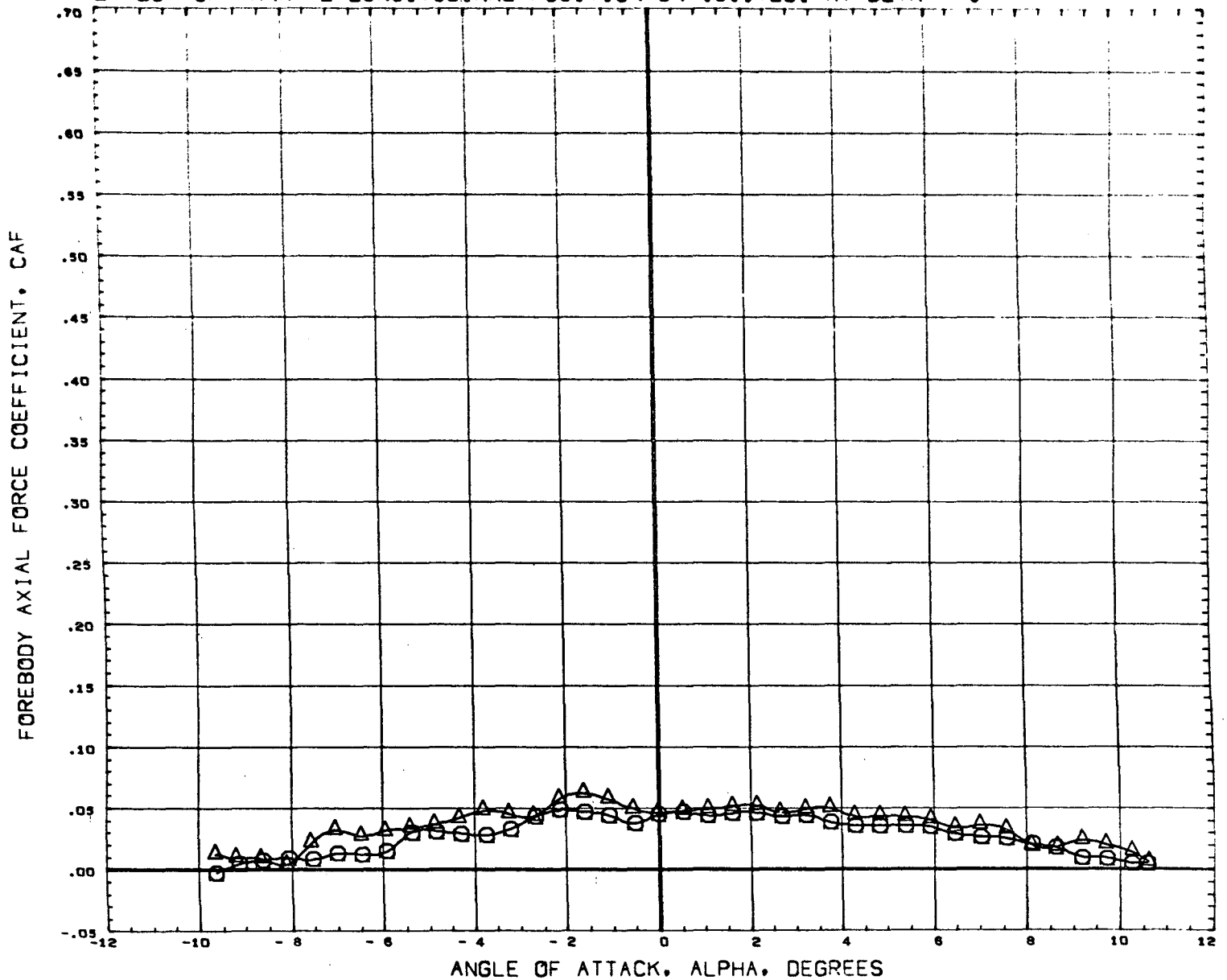


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7450)	MDAC S-222 COMPOSITE (T-CG) (O1)T2B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7465)	MDAC S-222 COMPOSITE (T-CG) (O1)T2AB1	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRR	557.0004 IN.
						YMRR	0.0000 IN.
						ZMRR	200.0004 IN.
						SCALE	0.0060

MACH 1.10

PAGE 965

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01)T2B1 AT BETA = 0



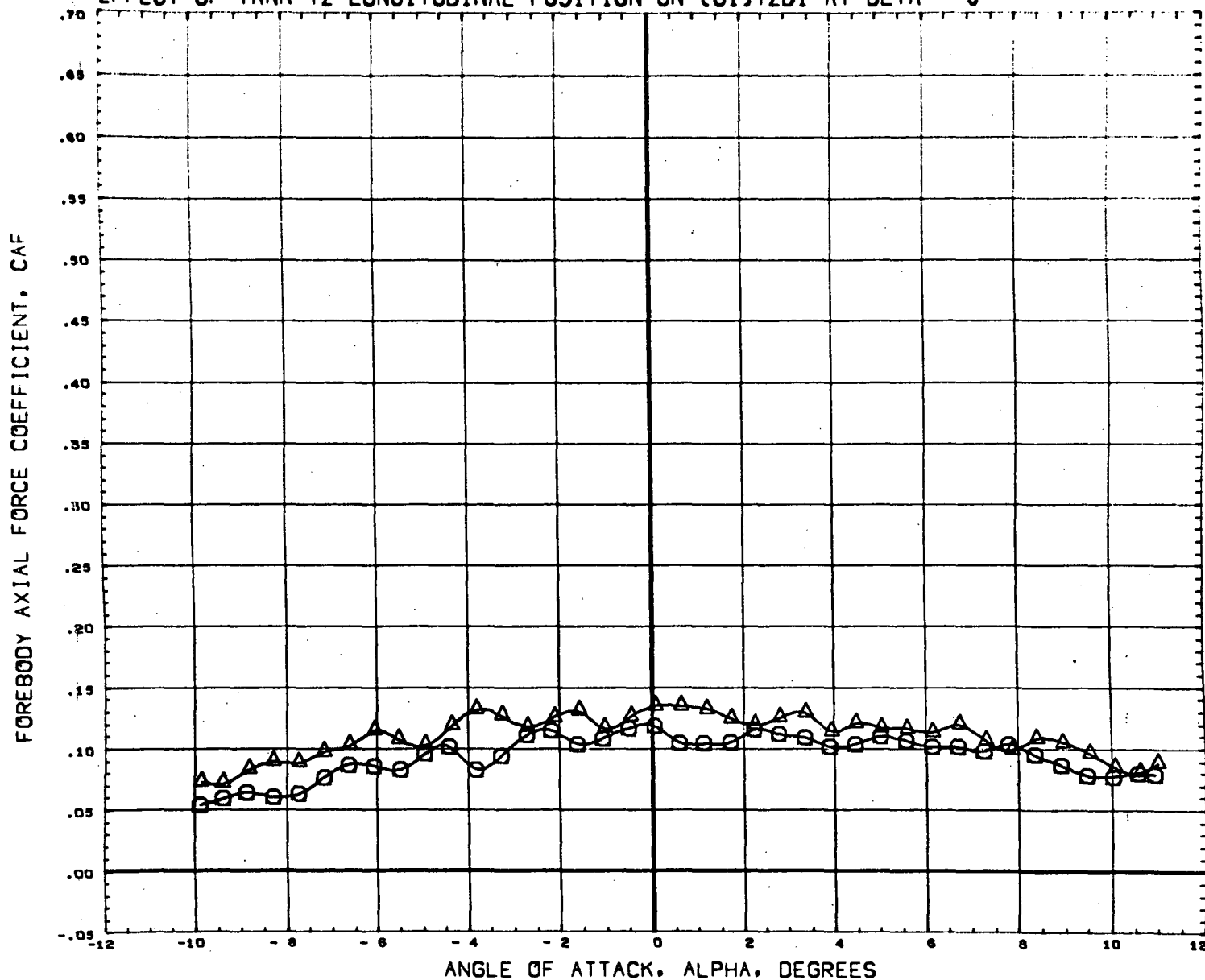
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(C07450)	MDAC S-222 COMPOSITE (T-CG) (01)T2B1	0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(C07465)	MDAC S-222 COMPOSITE (T-CG) (01)T2AB1	0.000	0.000	0.000	0.000	LPEF	609.5004	IN.
						BREF	882.0004	IN.
						XMRF	557.0004	IN.
						YMRF	0.0000	IN.
						ZMRF	200.0004	IN.
						SCALE	0.0060	

MACH .59

PAGE 966



# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01)T2B1 AT BETA = 0



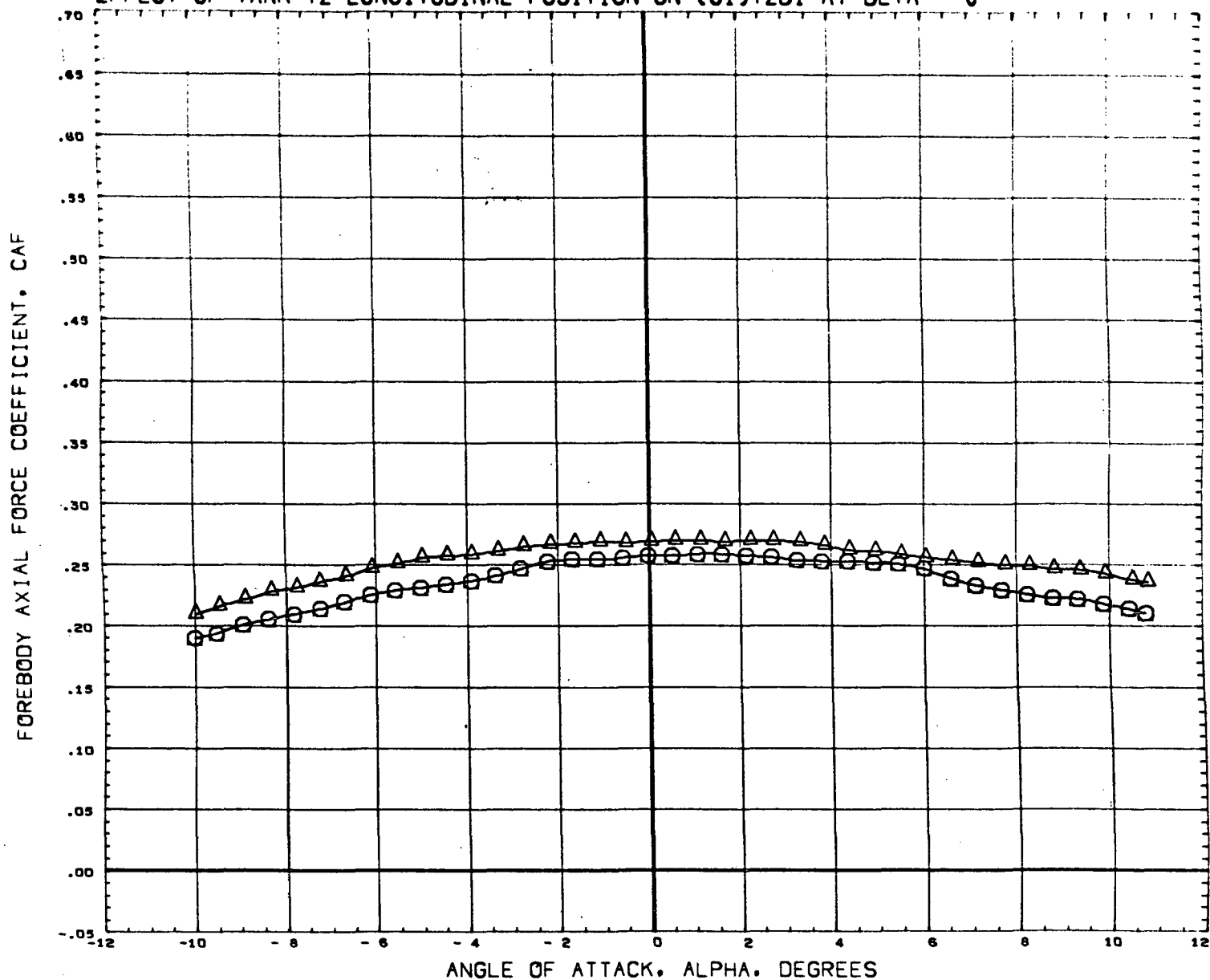
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7450) (01)T2B1  
 (CD7465) (01)T2AB1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF 609.5004 IN.
				BREF 882.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH .90

PAGE 967

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01)T2B1 AT BETA = 0



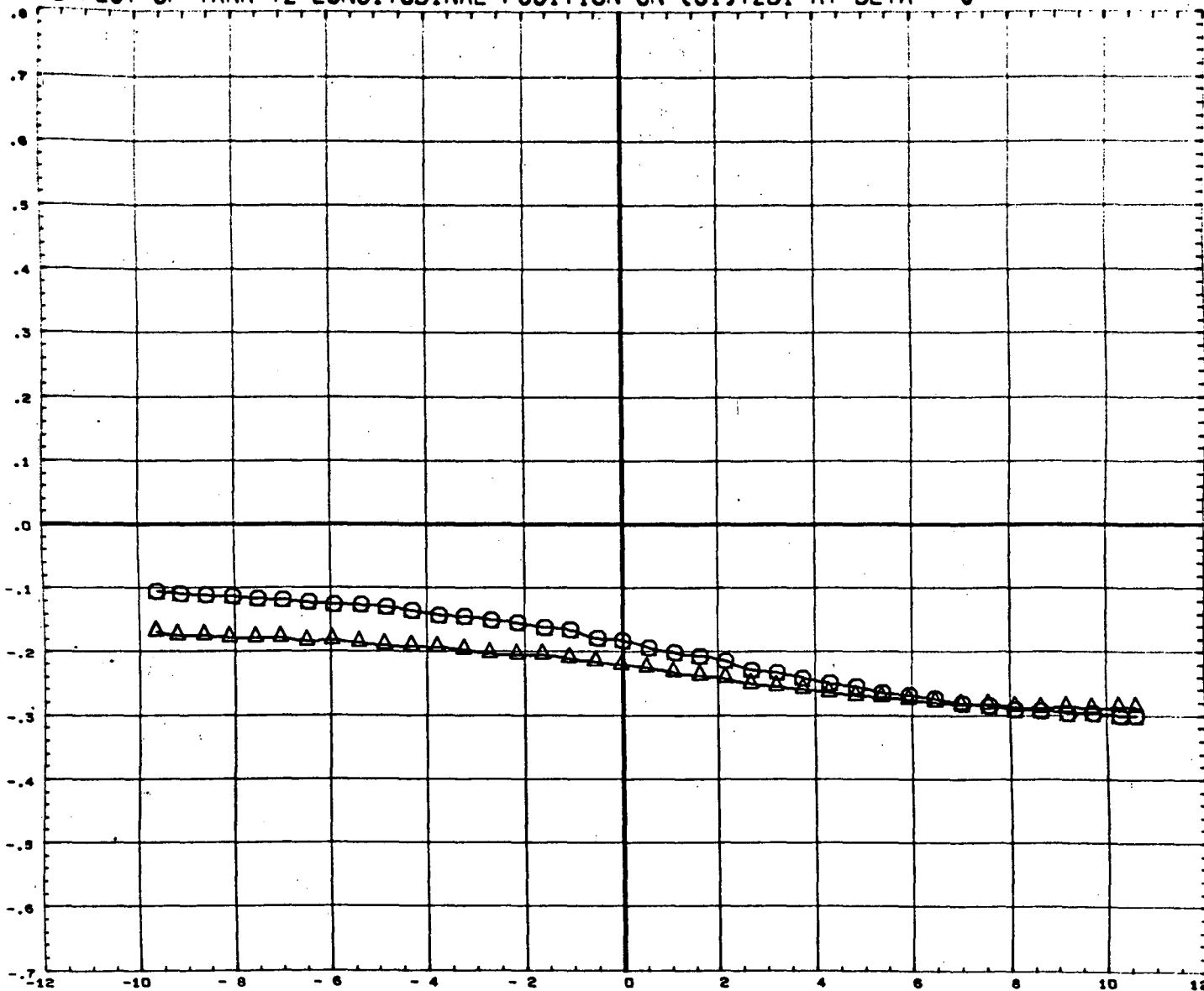
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7450)	MDAC S-222 COMPOSITE (T-CG) (01)T2B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7465)	MDAC S-222 COMPOSITE (T-CG) (01)T2AB1	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH 1.10

PAGE 968

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01)T2B1 AT BETA = 0

PITCHING MOMENT COEFFICIENT, CLM

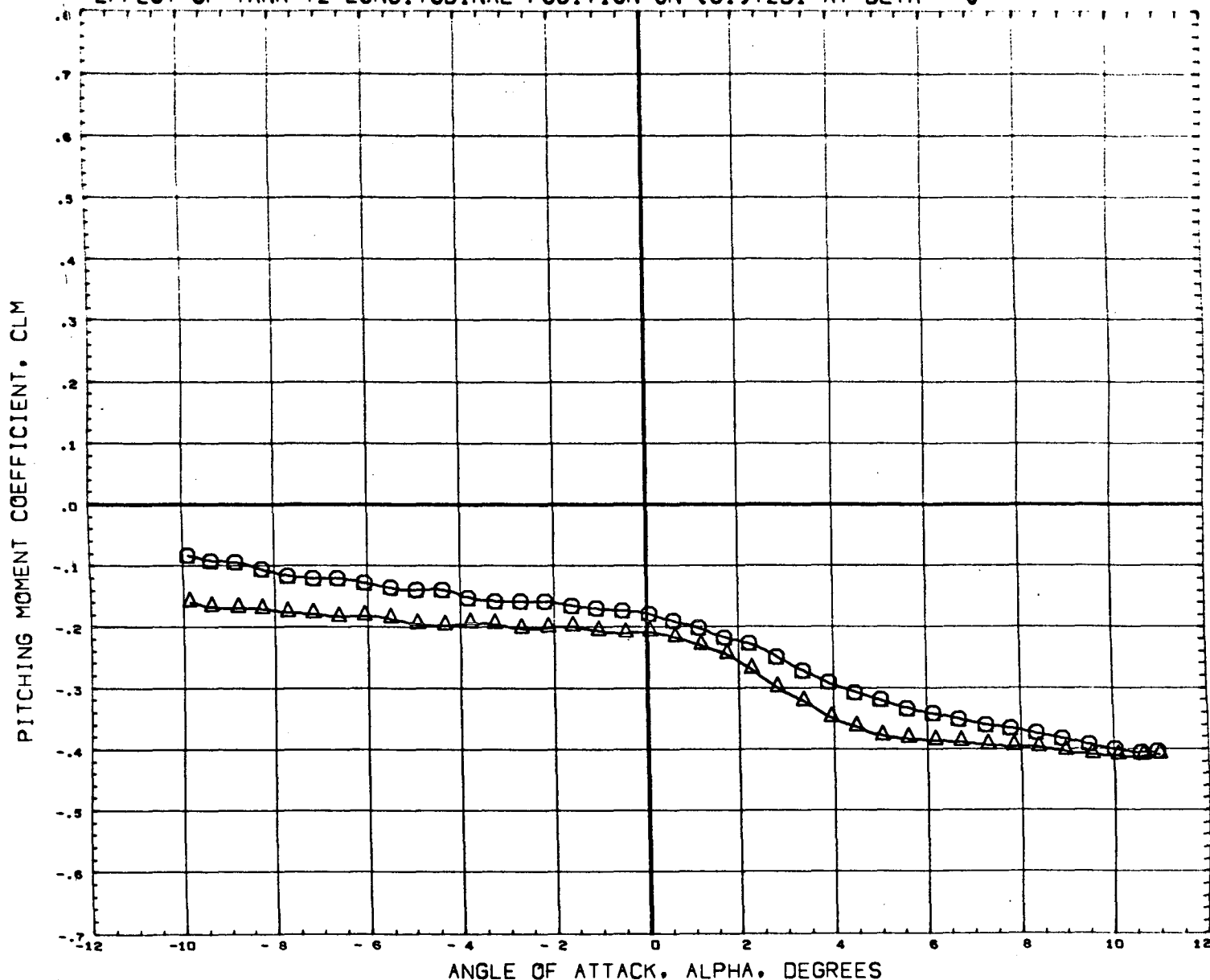


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7450)	MDAC S-222 COMPOSITE (T-CG) (01)T2B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7465)	MDAC S-222 COMPOSITE (T-CG) (01)T2AB1	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .59

PAGE 969

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (O1)T2B1 AT BETA = 0



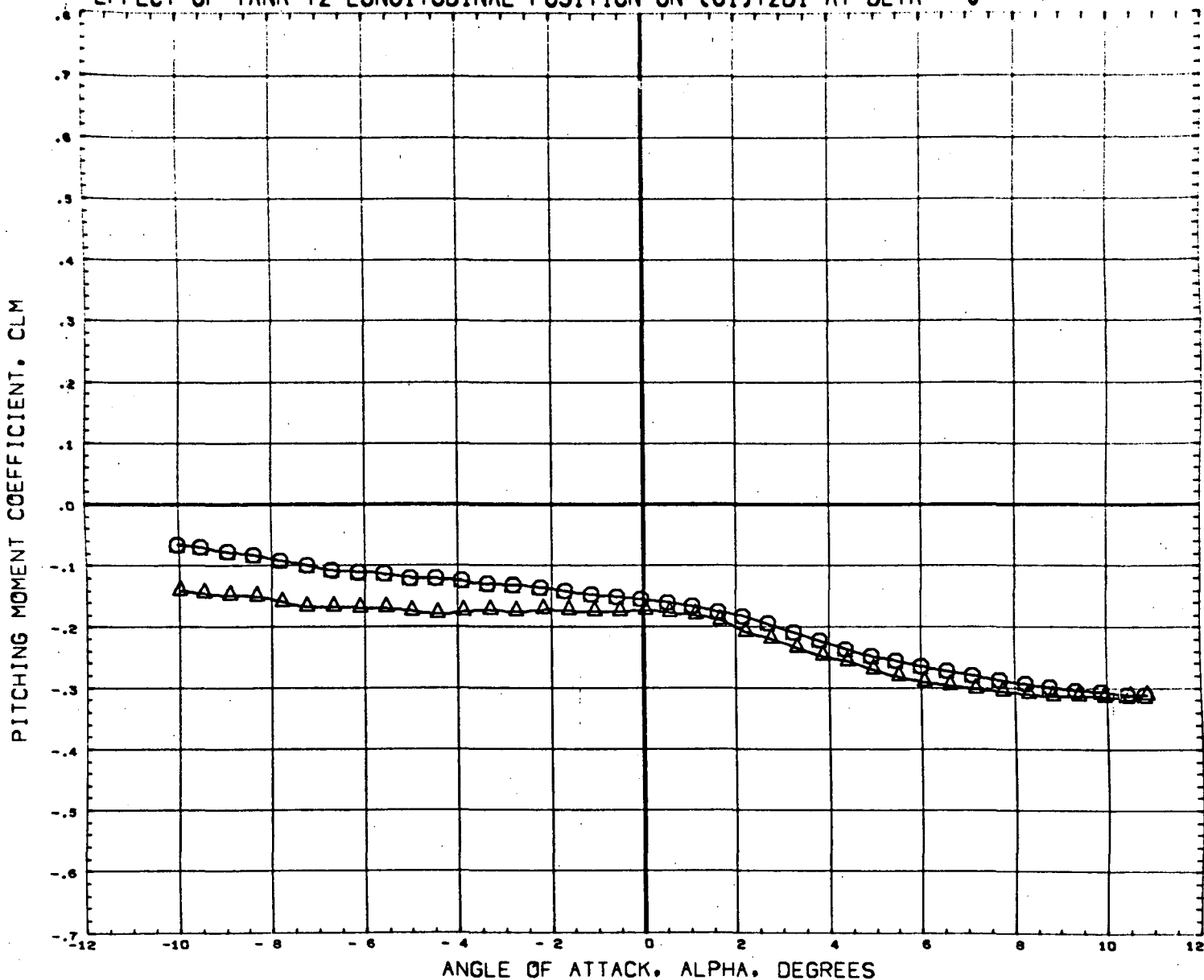
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7450)	MDAC S-222 COMPOSITE (T-CG) (O1)T2B1
(CD7465)	MDAC S-222 COMPOSITE (T-CG) (O1)T2AB1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRF	557.0004 IN.
				YMRF	0.0000 IN.
				ZMRF	200.0004 IN.
				SCALE	0.0060

MACH .90

PAGE 970

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (O1)T2B1 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7450) (O) MDAC S-222 COMPOSITE (T-CG) (O1)T2B1  
 (CD7465) (Δ) MDAC S-222 COMPOSITE (T-CG) (O1)T2AB1

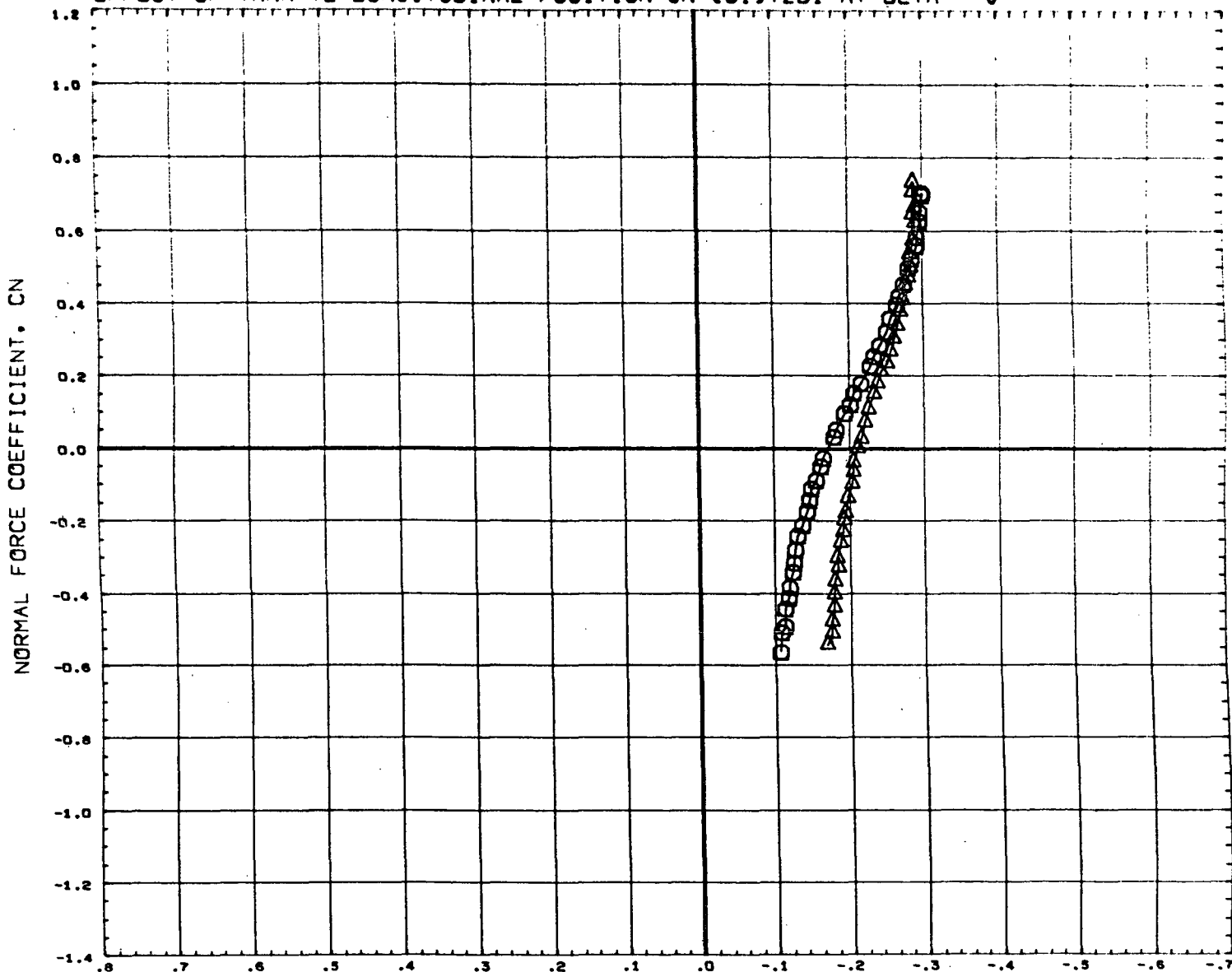
BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 0.000 0.000 0.000 0.000

REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 537.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH 1.10

PAGE 971

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01)T2B1 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7450)	MDAC S-222 COMPOSITE (T-CG) (01)T2B1
(CD7465)	MDAC S-222 COMPOSITE (T-CG) (01)T2AB1

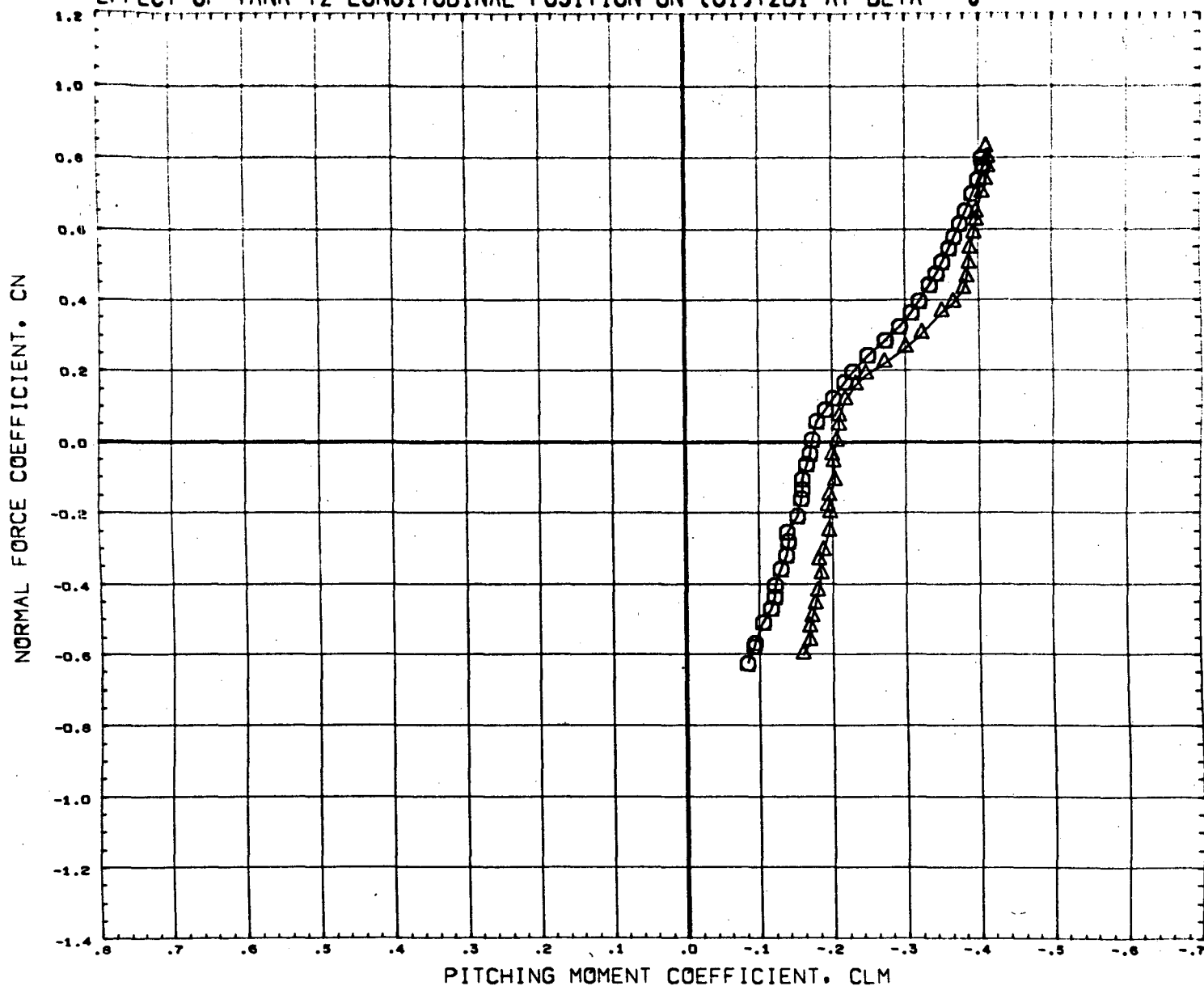
BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH .59

PAGE 972

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (O1)T2B1 AT BETA = 0



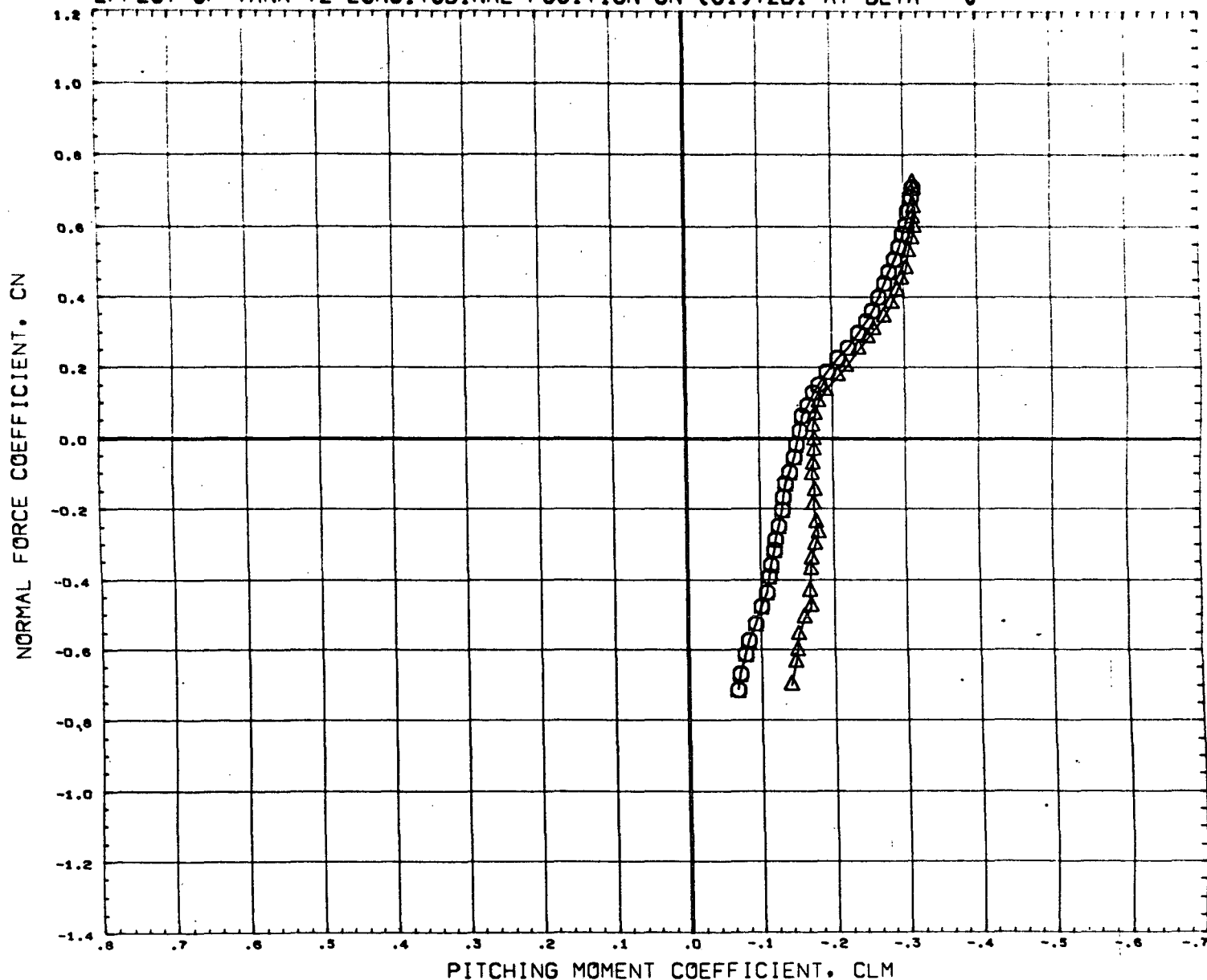
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7450) (O) MDAC S-222 COMPOSITE (T-CG) (O1)T2B1  
 (CD7465) (Δ) MDAC S-222 COMPOSITE (T-CG) (O1)T2AB1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .90

PAGE 973

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01)T2B1 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7450)	MDAC S-222 COMPOSITE (T-CG) (01) T2B1
(CD7465)	MDAC S-222 COMPOSITE (T-CG) (01) T2AB1

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

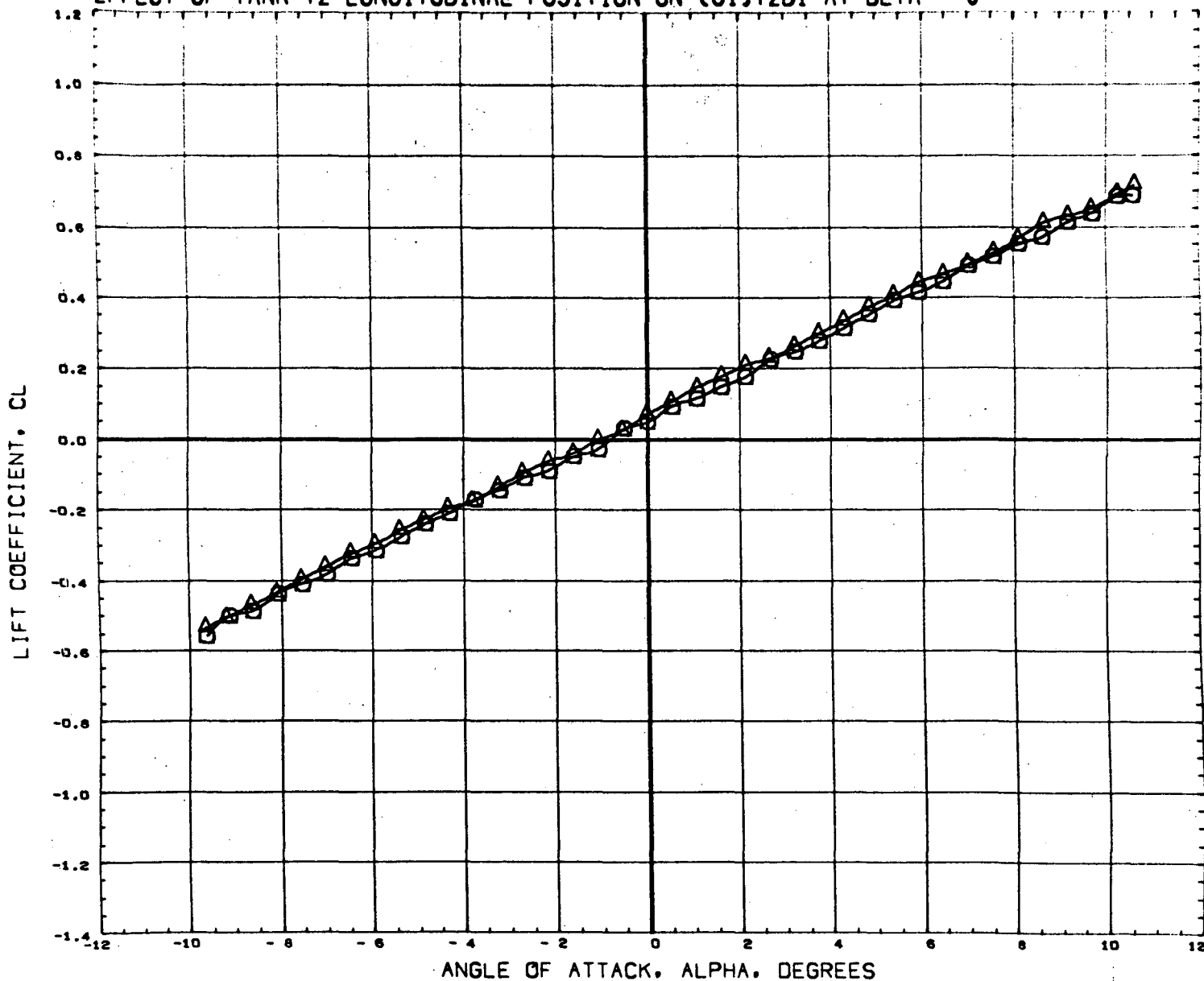
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH 1.10

PAGE 974



# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (O1)T2B1 AT BETA = 0



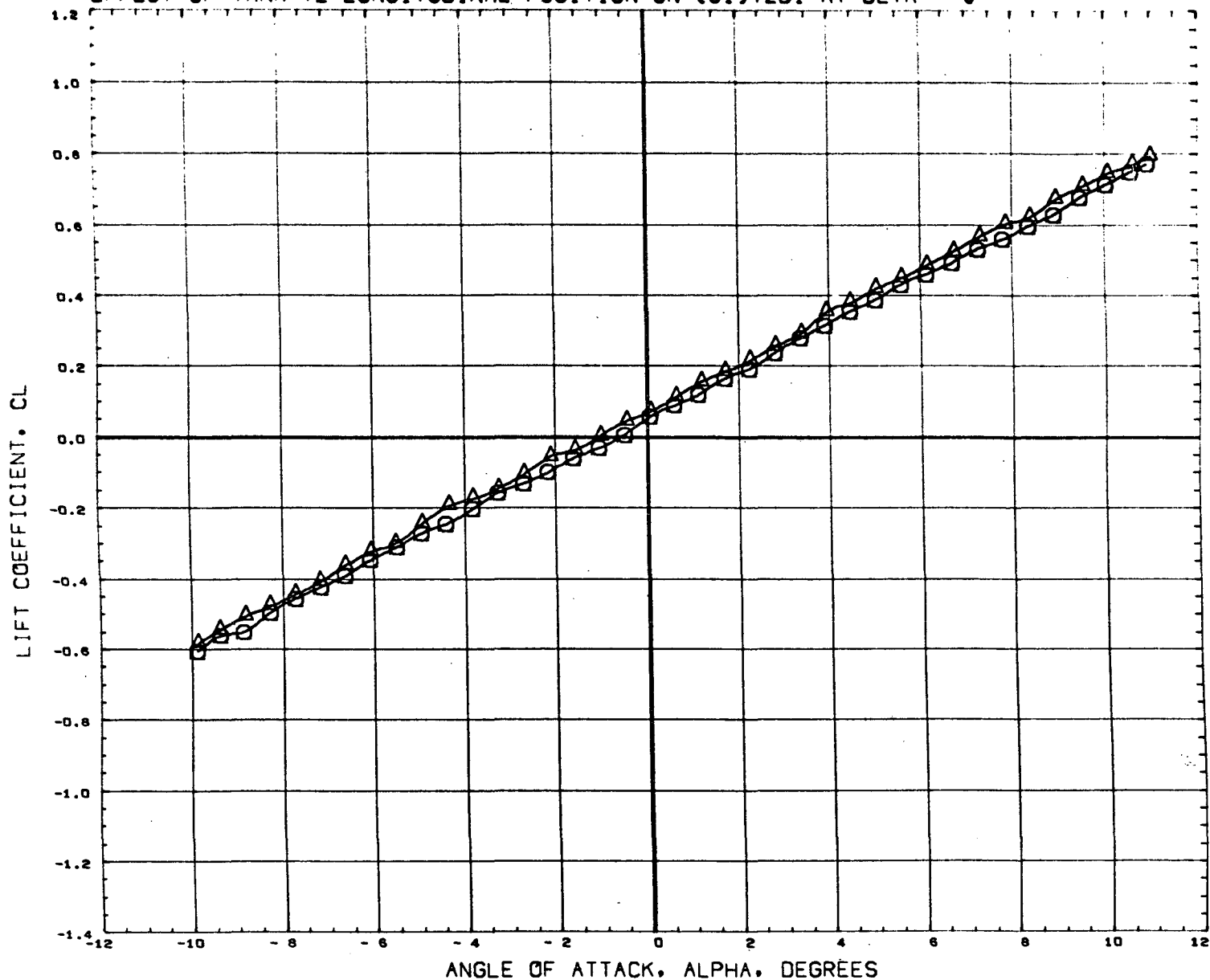
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(C07450) $\bigcirc$	MDAC S-222 COMPOSITE (T-CG) (O1)T2B1
(C07465) $\triangle$	MDAC S-222 COMPOSITE (T-CG) (O1)T2AB1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	537.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .59

PAGE 975

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01)T2B1 AT BETA = 0

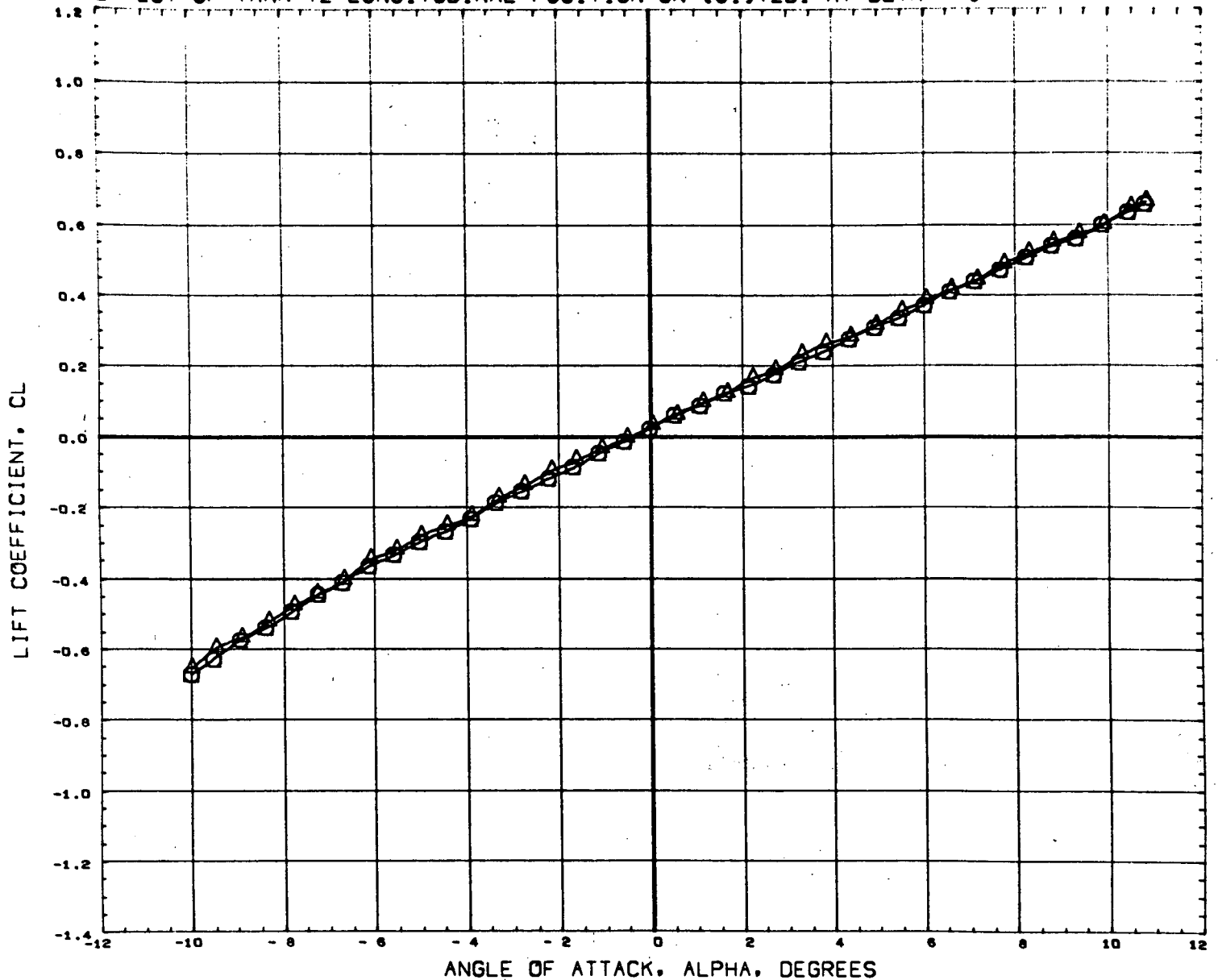


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7450)	MDAC S-222 COMPOSITE (T-CG) (01)T2B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7465)	MDAC S-222 COMPOSITE (T-CG) (01)T2AB1	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 976

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01)T2B1 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7450)  $\bigcirc$  MDAC S-222 COMPOSITE (T-CG) (01)T2B1  
 (CD7465)  $\triangle$  MDAC S-222 COMPOSITE (T-CG) (01)T2AB1

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

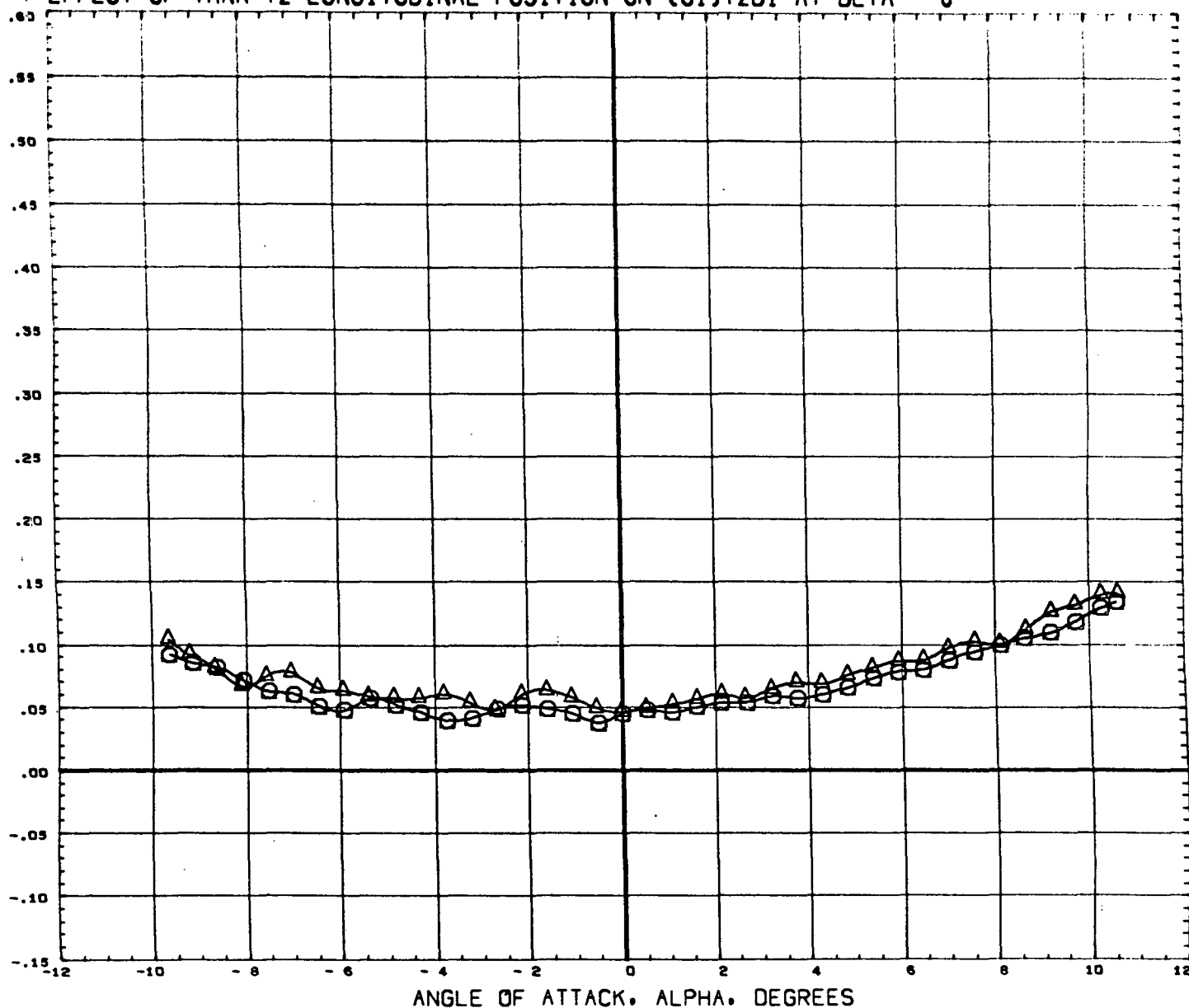
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH 1.10

PAGE 977

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (O1)T2B1 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7450) (O) MDAC S-222 COMPOSITE (T-CG) (O1)T2B1  
 (CD7465) (A) MDAC S-222 COMPOSITE (T-CG) (O1)T2AB1

BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 0.000 0.000 0.000 0.000

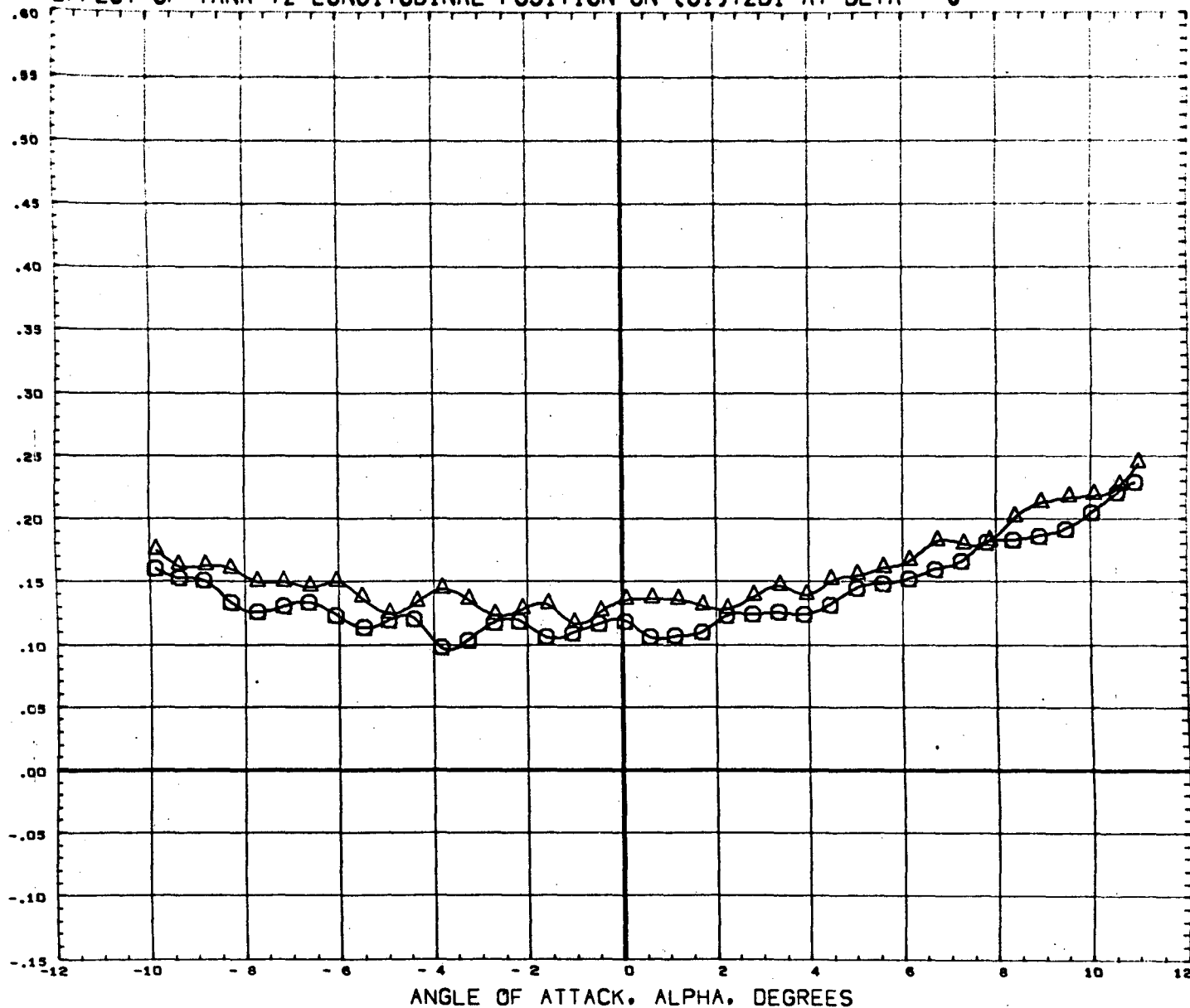
REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH .59

PAGE 978

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01)T2B1 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL      CONFIGURATION DESCRIPTION  
 (CD7450)      (0) MDAC S-222 COMPOSITE (T-CG) (01) T2B1  
 (CD7465)      (0) MDAC S-222 COMPOSITE (T-CG) (01) T2AB1

BETA      ELEVTR      AILRON      RUDDER  
 0.000      0.000      0.000      0.000  
 0.000      0.000      0.000      0.000

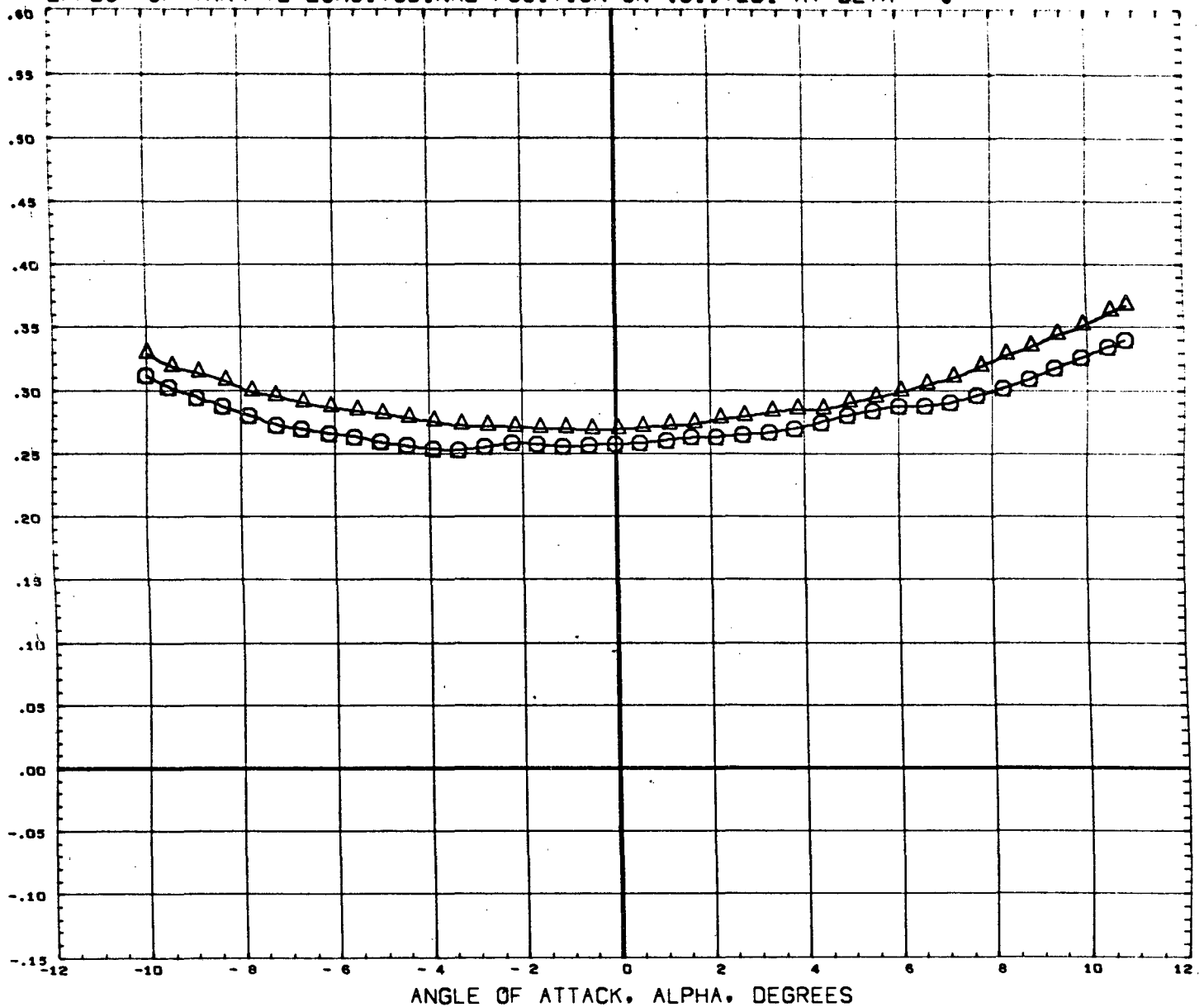
REFERENCE INFORMATION  
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 LREF      609.5004      IN.  
 BREF      882.0004      IN.  
 XMRP      557.0004      IN.  
 YMRP      0.0000      IN.  
 ZMRP      200.0004      IN.  
 SCALE      0.0060

MACH      .90

PAGE      979

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01)T2B1 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (C07450) MDAC S-222 COMPOSITE (T-CG) (01)T2B1  
 (C07465) MDAC S-222 COMPOSITE (T-CG) (01)T2AB1

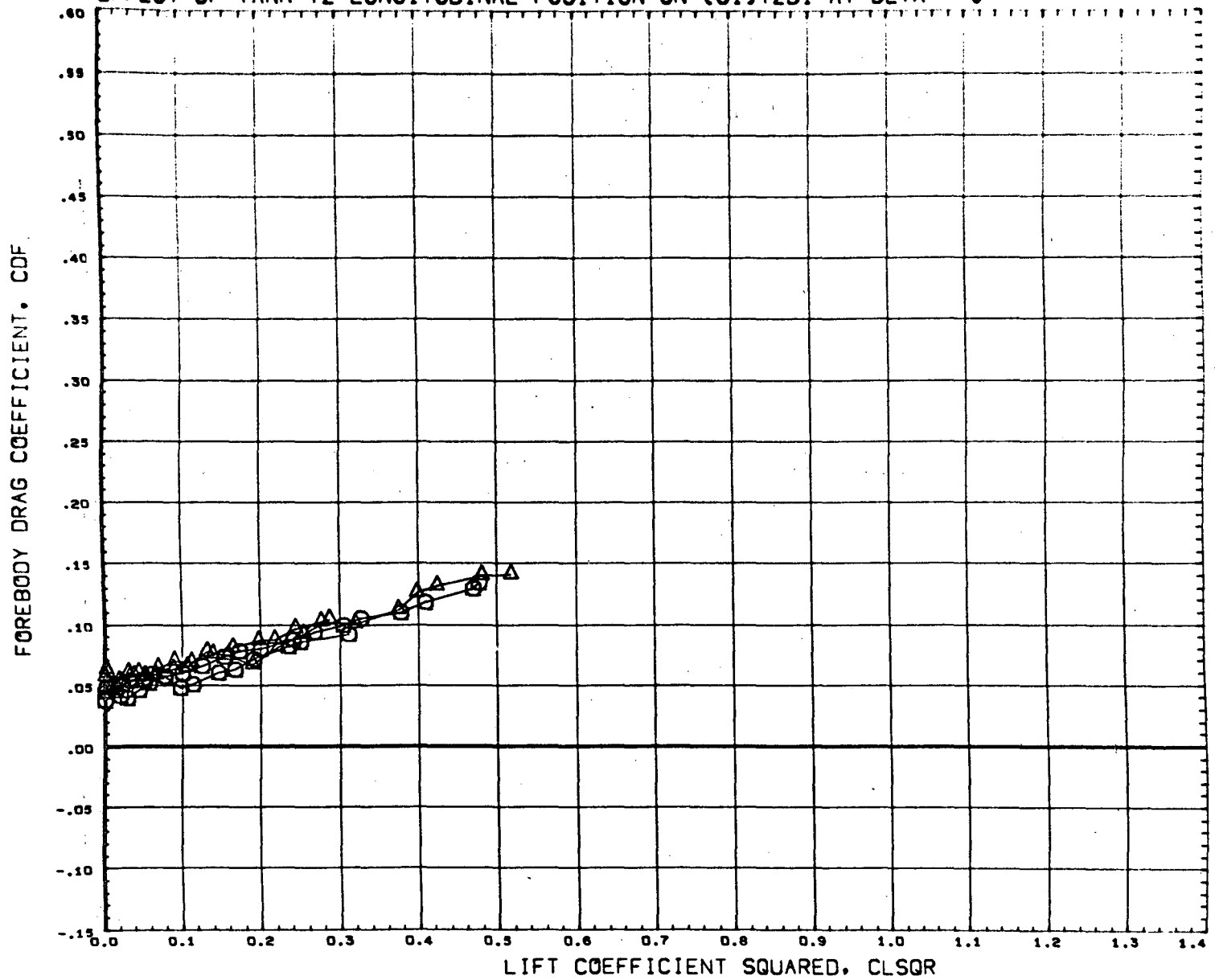
BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 0.000 0.000 0.000 0.000

REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH 1.10

PAGE 980

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01)T2B1 AT BETA = 0



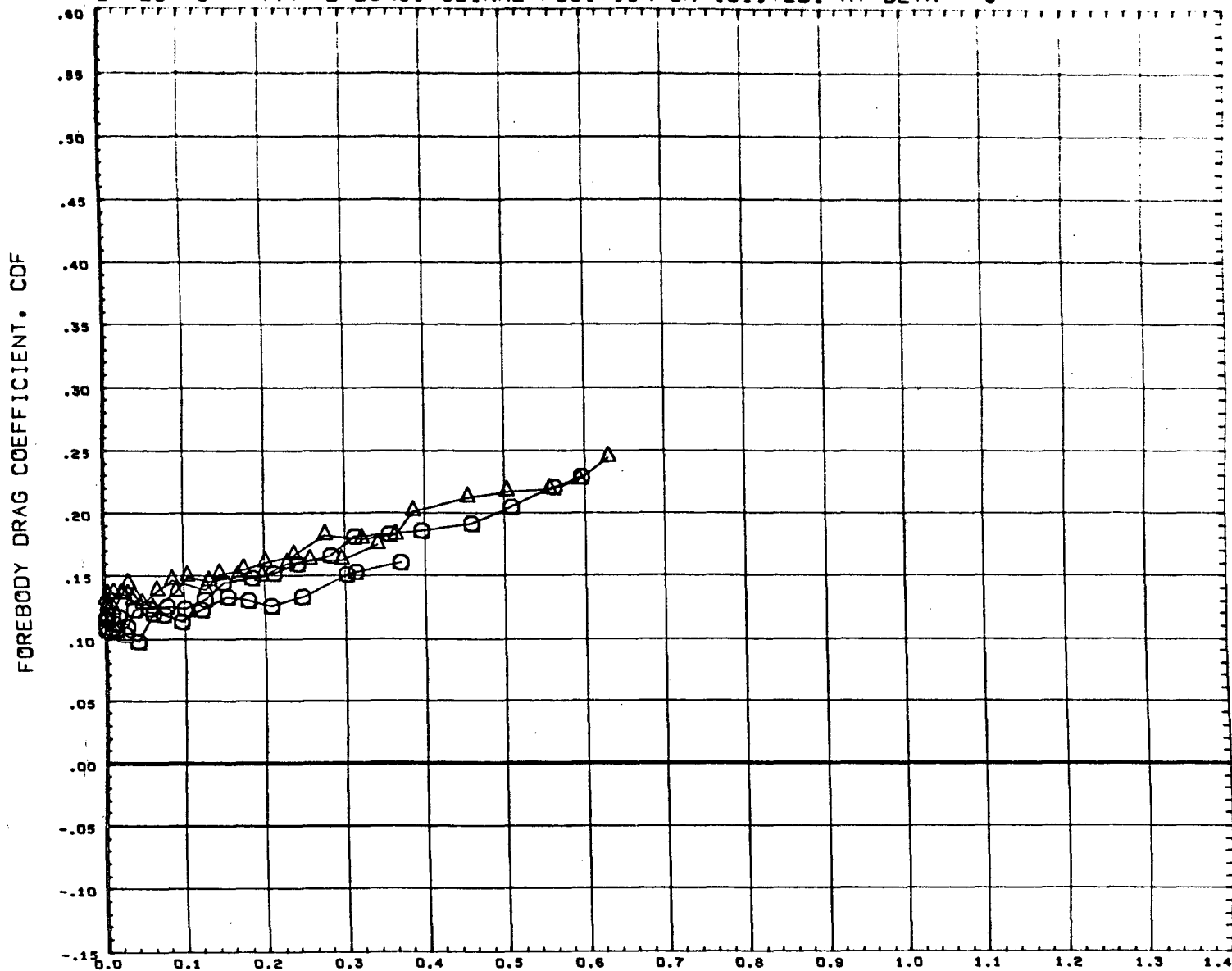
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7450)    (01)T2B1  
 (CD7465)    (01)T2AB1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .59

PAGE 981

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01)T2B1 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7450) (0) MDAC S-222 COMPOSITE(T-CG) (01)T2B1  
 (CD7465) (1) MDAC S-222 COMPOSITE(T-CG) (01)T2AB1

BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 0.000 0.000 0.000 0.000

REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

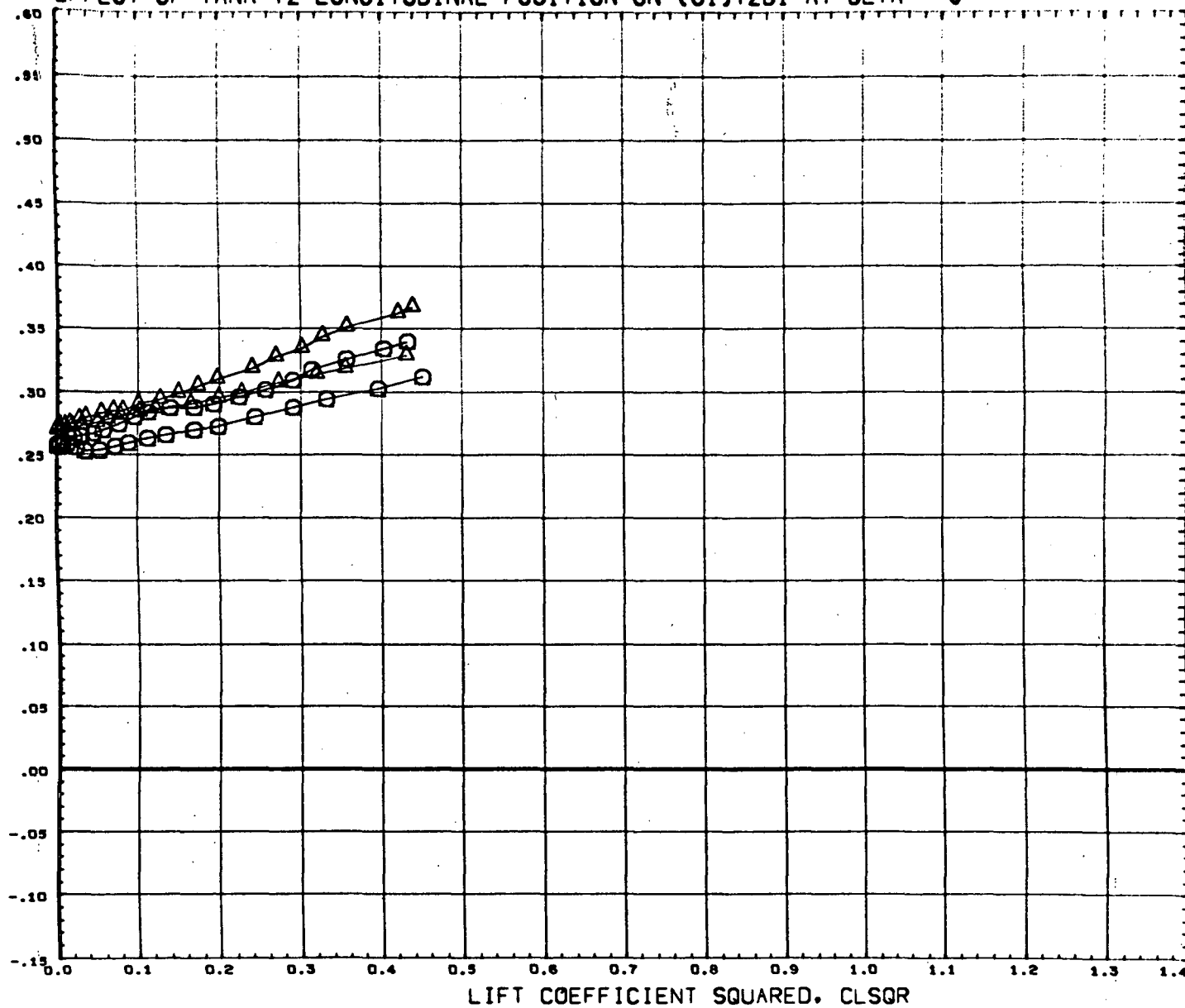
MACH .90

PAGE 982



# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01)T2B1 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7450) $\square$	MDAC S-222 COMPOSITE (T-CG) (01)T2B1
(CD7465) $\triangle$	MDAC S-222 COMPOSITE (T-CG) (01)T2AB1

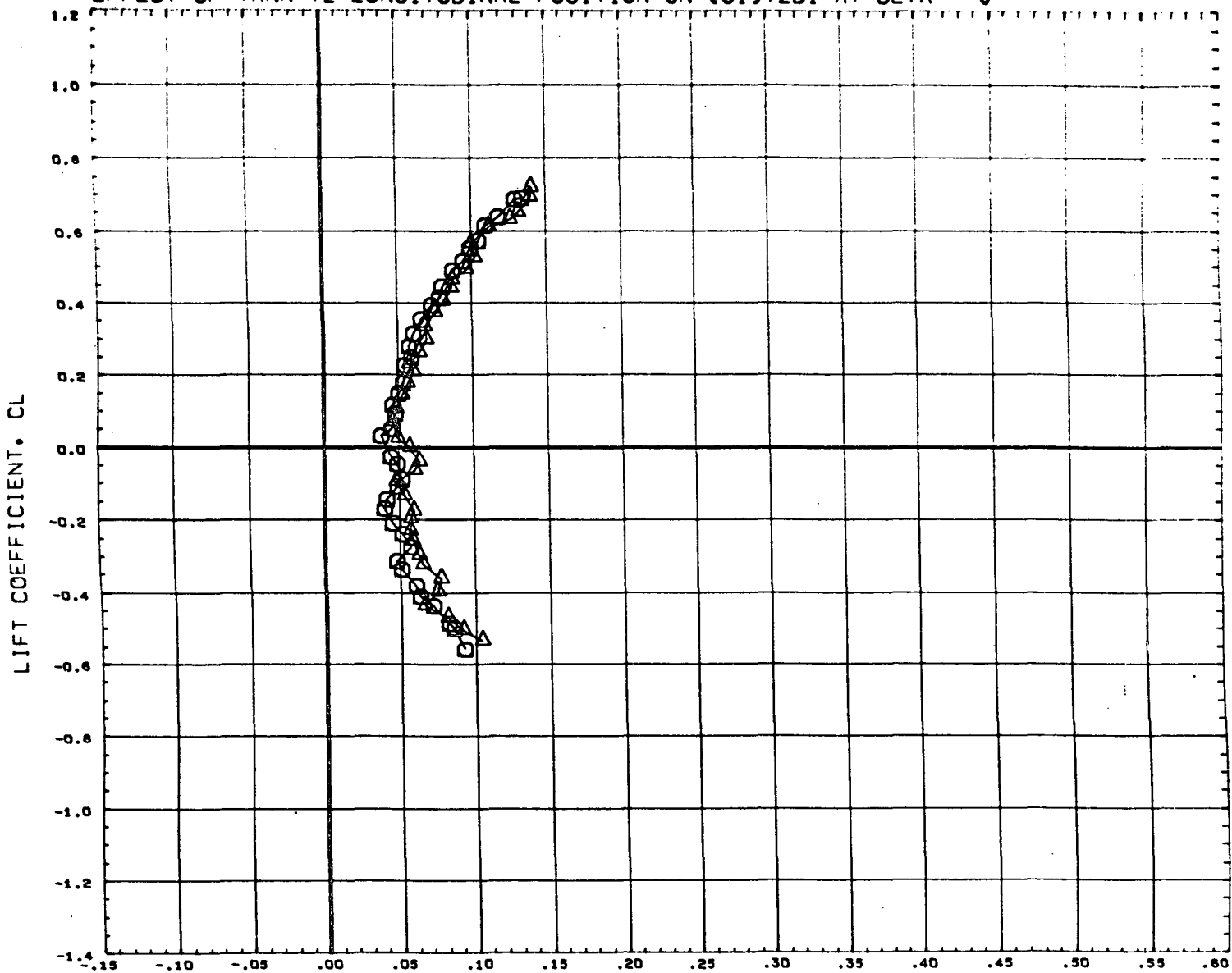
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH

1.10

PAGE 983

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01)T2B1 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7450)	MDAC S-222 COMPOSITE (T-CG) (01) T2B1
(CD7465)	MDAC S-222 COMPOSITE (T-CG) (01) T2AB1

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

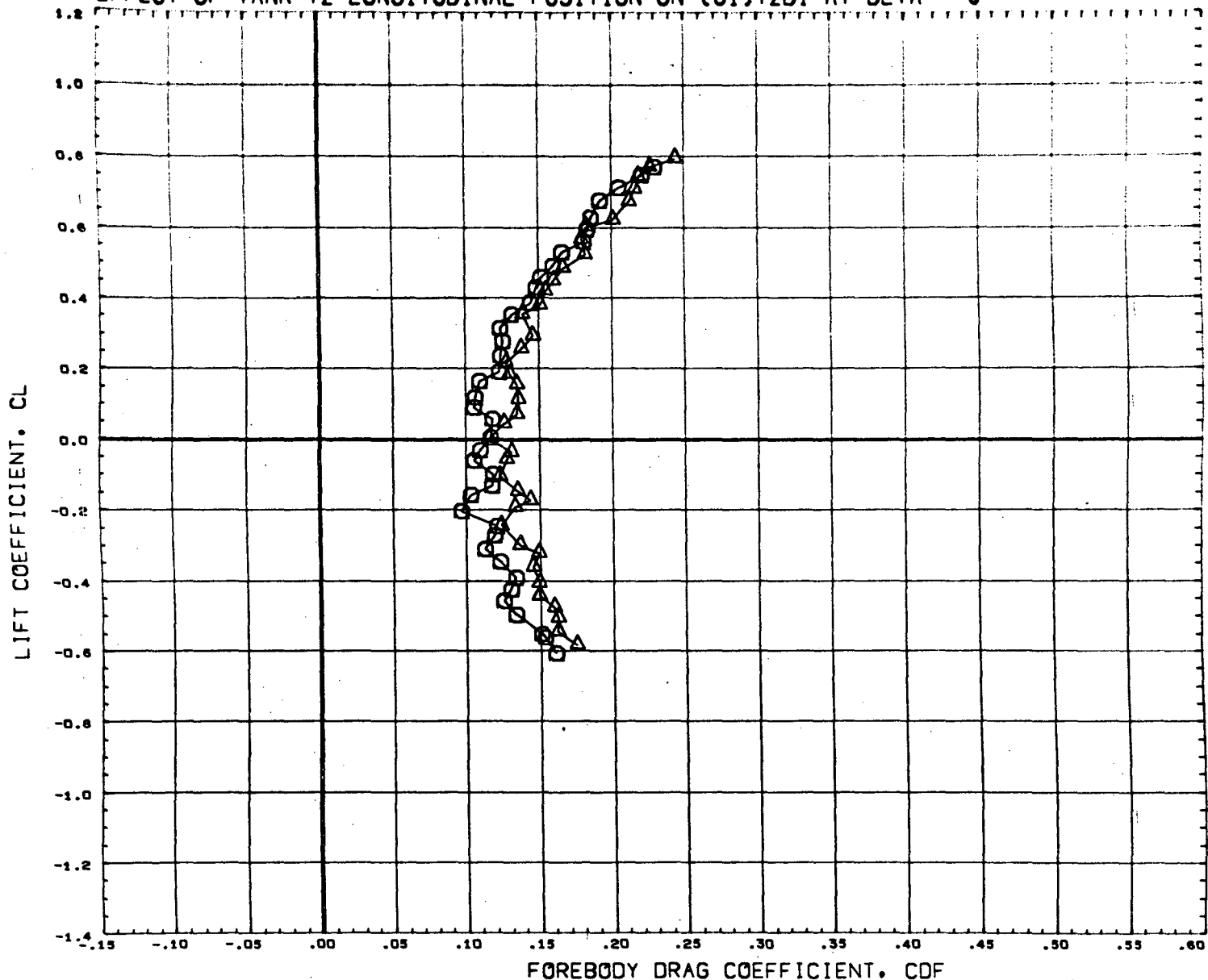
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH

.59

PAGE 984

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01)T2B1 AT BETA = 0



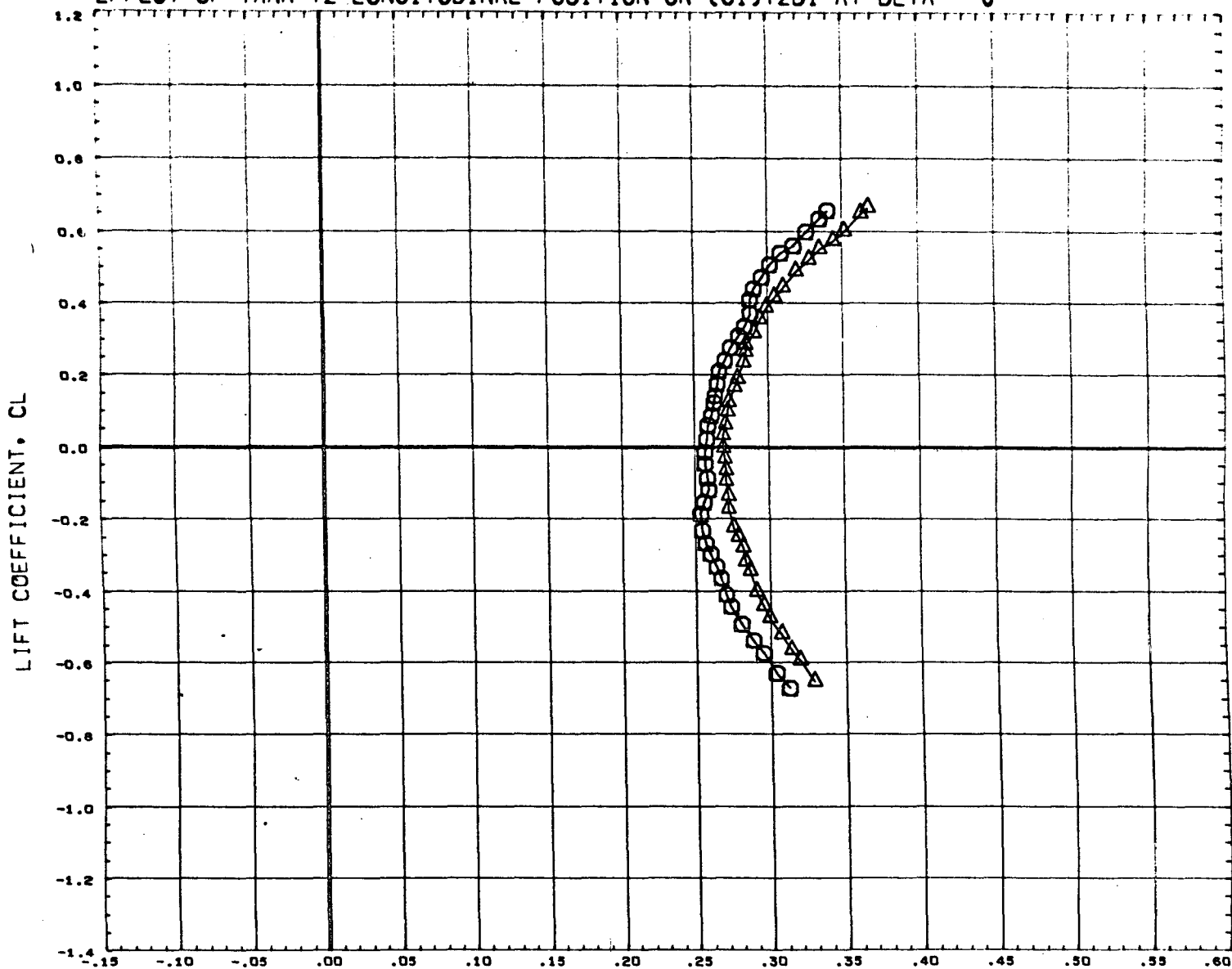
DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD7450)    (01)T2B1  
 (CD7465)    (01)T2AB1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMPP	557.0004 IN.
				YMPP	0.0000 IN.
				ZMPP	200.0004 IN.
				SCALE	0.0060

MACH .90

PAGE 985

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01)T2B1 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7450) (01)T2B1  
 (CD7465) (01)T2AB1

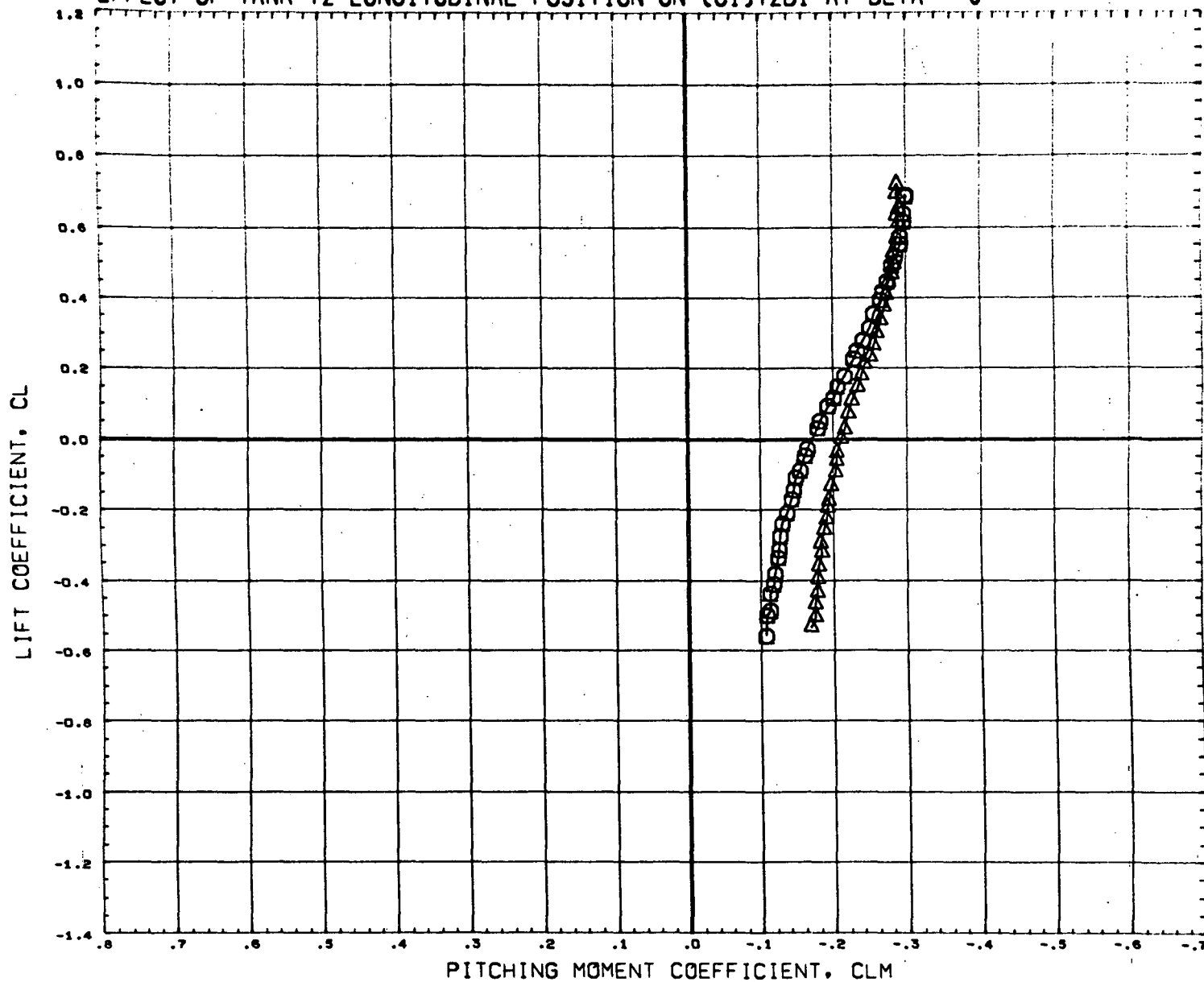
BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 0.000 0.000 0.000 0.000

REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH 1.10

PAGE 986

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01)T2B1 AT BETA = 0



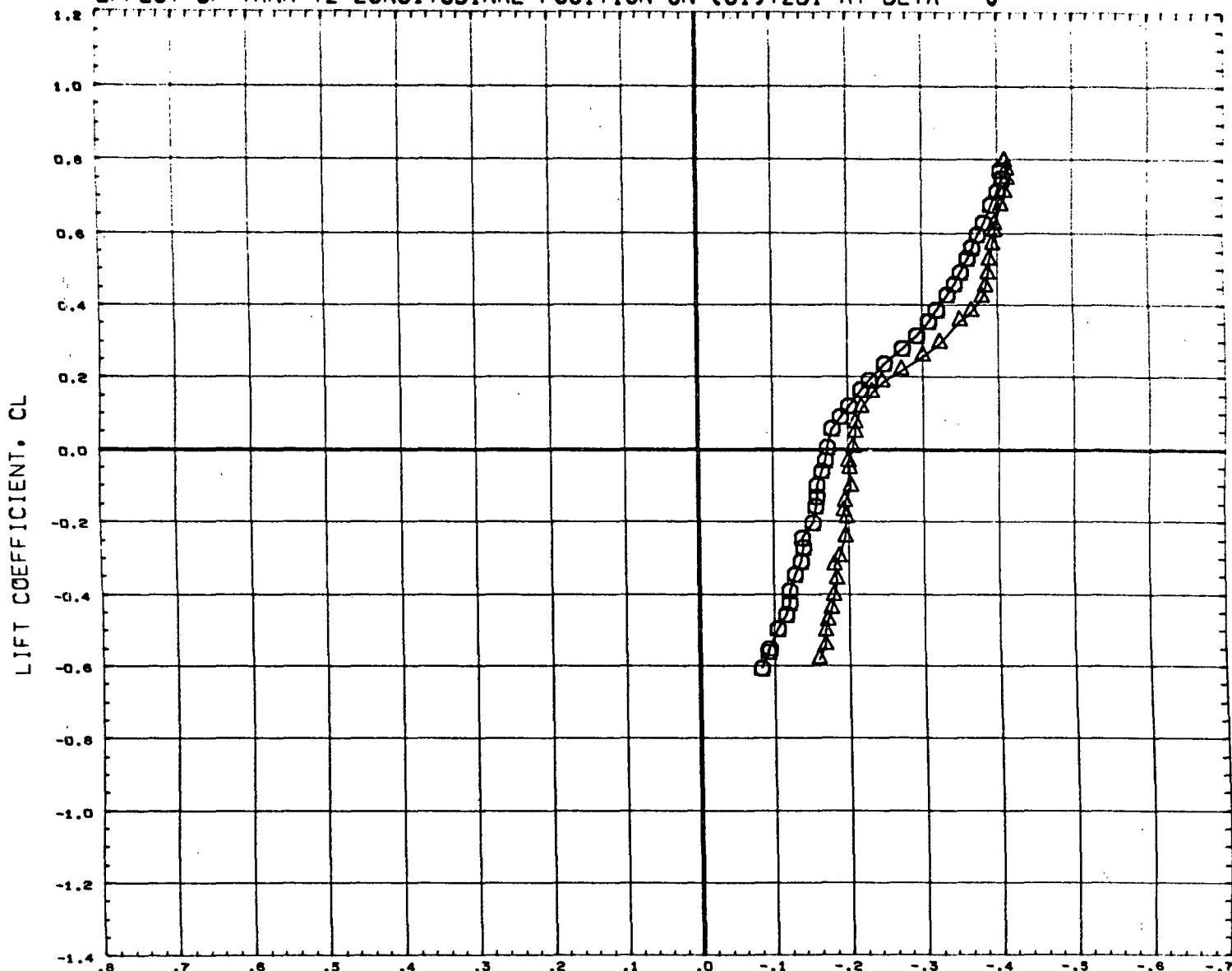
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7450) MDAC S-222 COMPOSITE (T-CG) (01)T2B1  
 (CD7465) MDAC S-222 COMPOSITE (T-CG) (01)T2AB1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	537.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .59

PAGE 987

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01)T2B1 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7450) MDAC S-222 COMPOSITE (T-CG) (01) T2B1  
(CD7465) MDAC S-222 COMPOSITE (T-CG) (01) T2AB1

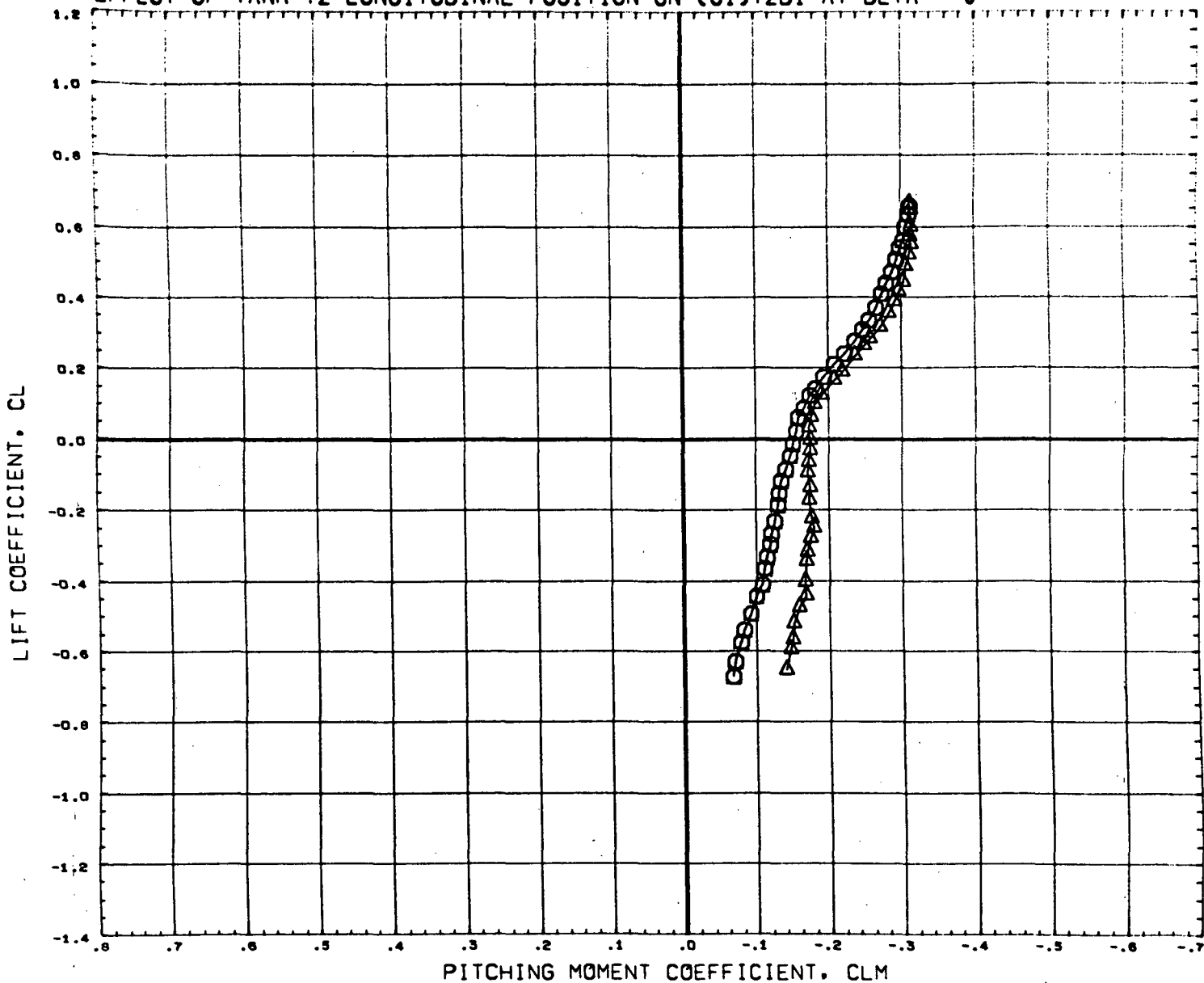
BETA ELEVTR AILRON RUDDER  
0.000 0.000 0.000 0.000  
0.000 0.000 0.000 0.000

REFERENCE INFORMATION  
SREF 3155.3040 SQ.FT.  
LREF 609.5004 IN.  
BREF 882.0004 IN.  
XMRP 557.0004 IN.  
YMRP 0.0000 IN.  
ZMRP 200.0004 IN.  
SCALE 0.0060

MACH .90

PAGE 988

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (O1)T2B1 AT BETA = 0



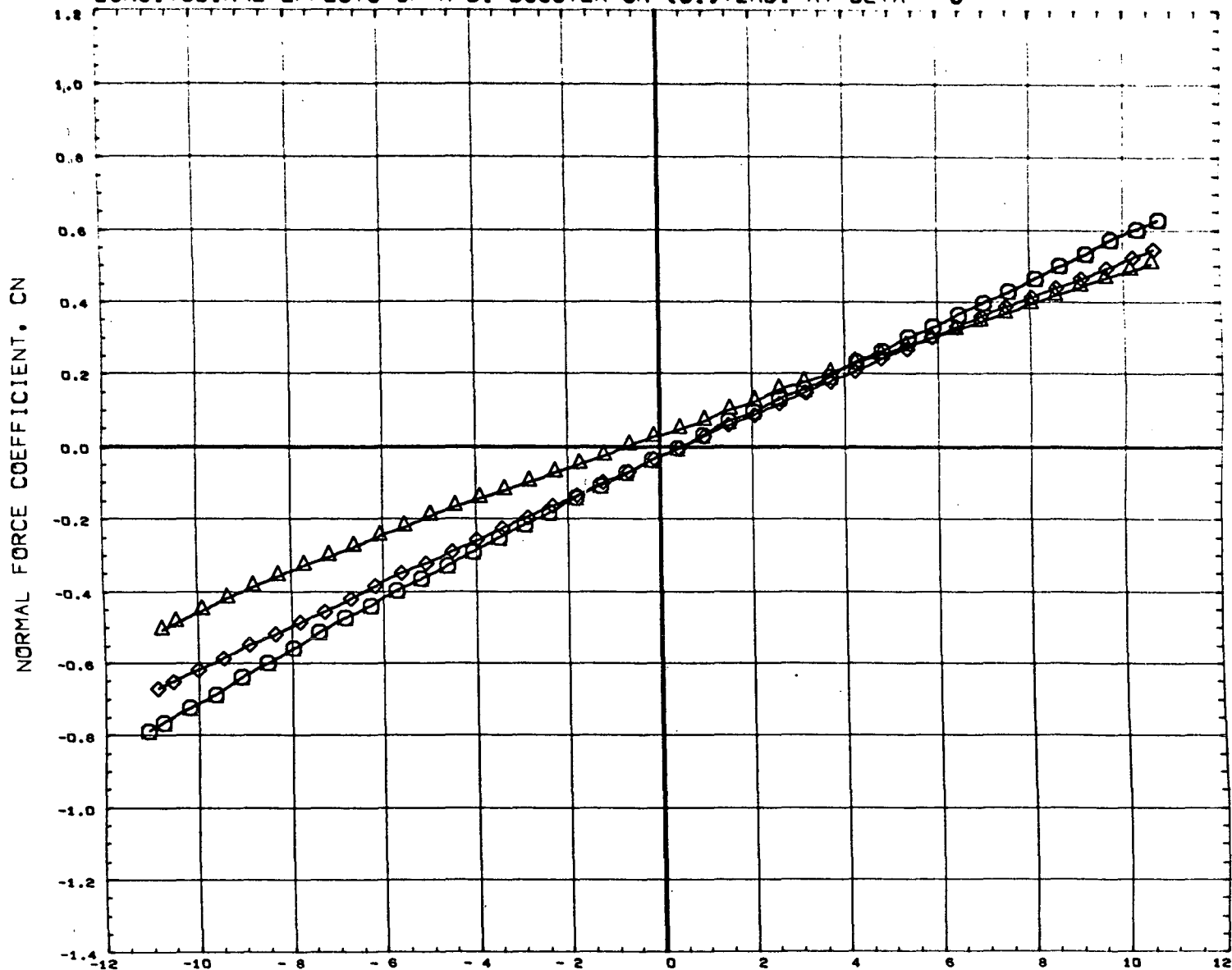
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(CD7450) MDAC S-222 COMPOSITE (T-CG) (O1)T2B1  
(CD7465) MDAC S-222 COMPOSITE (T-CG) (O1)T2AB1

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.10

PAGE 989

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T2AB1 AT BETA = 6



ANGLE OF ATTACK, ALPHA, DEGREES

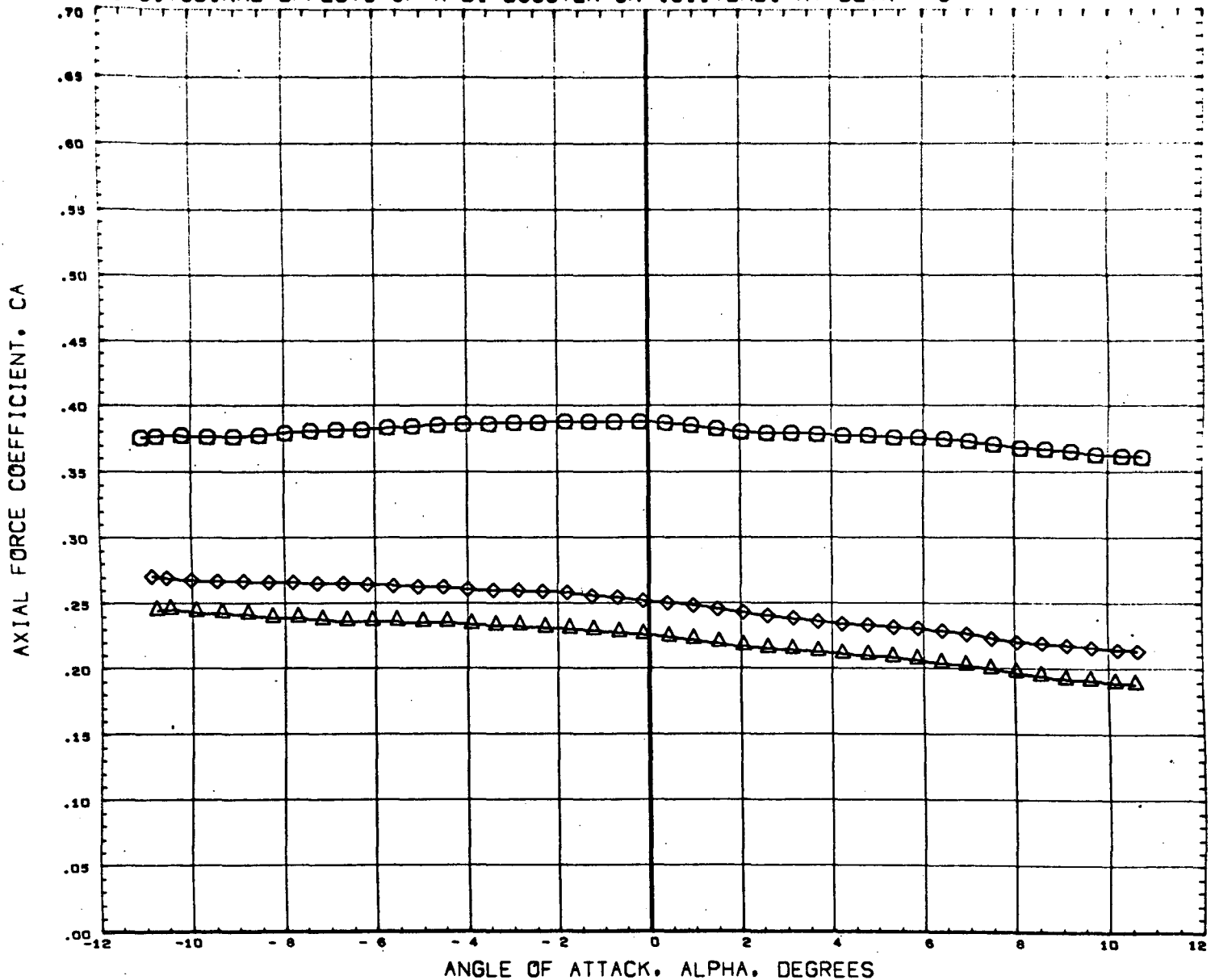
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7467)	MDAC S-222 COMPOSITE (T-CG) (01)T2AB1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7468)	MDAC S-222 COMPOSITE (T-CG) (01)T2AB1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7469)	MDAC S-222 COMPOSITE (T-CG) (01)T2A (B1L) B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 990



# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T2AB1 AT BETA = 6

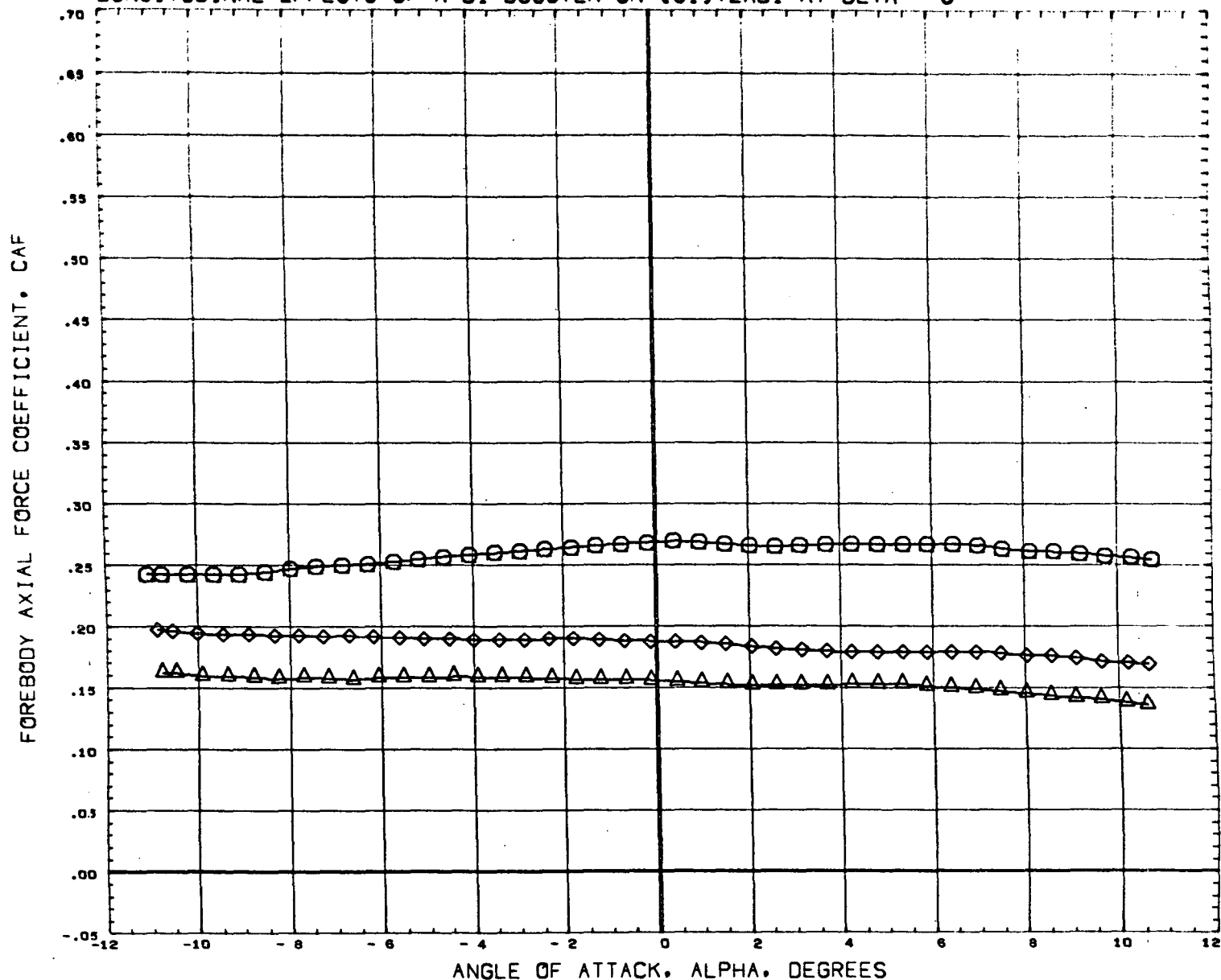


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7467)	MDAC S-222 COMPOSITE (T-CG) (01)T2AB1	6.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD7468)	MDAC S-222 COMPOSITE (T-CG) (01)T2AB1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004	IN.
(CD7469)	MDAC S-222 COMPOSITE (T-CG) (01)T2A (B1L) B1R	6.000	0.000	0.000	0.000	BREF	882.0004	IN.
						XMRP	357.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH 2.20

PAGE 991

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T2AB1 AT BETA = 6



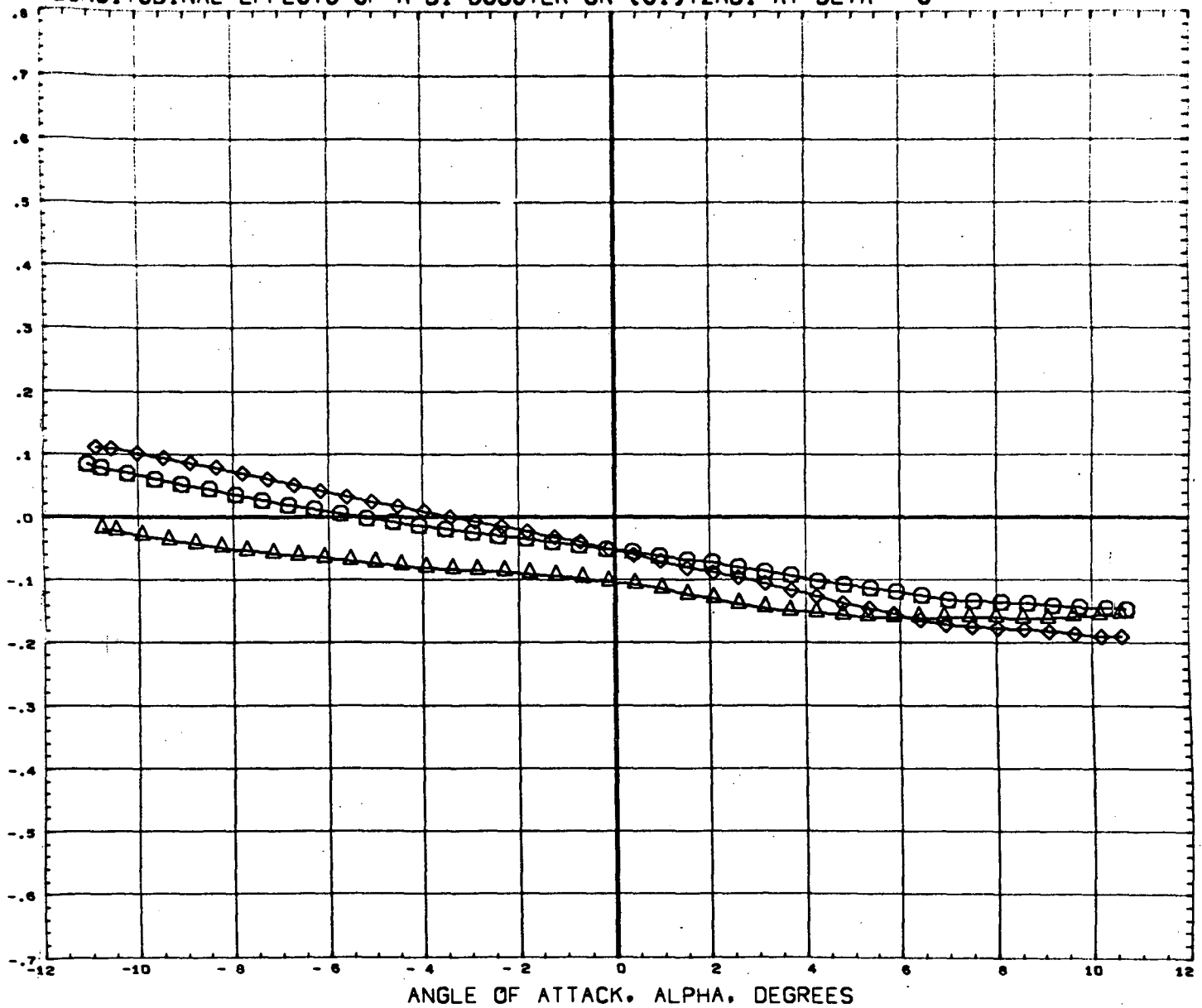
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7467)	MDAC S-222 COMPOSITE (T-CG) (O1) T2AB1	6.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD7468)	MDAC S-222 COMPOSITE (T-CG) (O1) T2AB1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004	IN.
(CD7469)	MDAC S-222 COMPOSITE (T-CG) (O1) T2A (B1L) (B1R)	6.000	0.000	0.000	0.000	BREF	882.0004	IN.
						XMRF	557.0004	IN.
						YMRF	0.0000	IN.
						ZMRF	200.0004	IN.
						SCALE	0.0060	

MACH 2.20

PAGE 992

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T2AB1 AT BETA = 6

PITCHING MOMENT COEFFICIENT, CLM



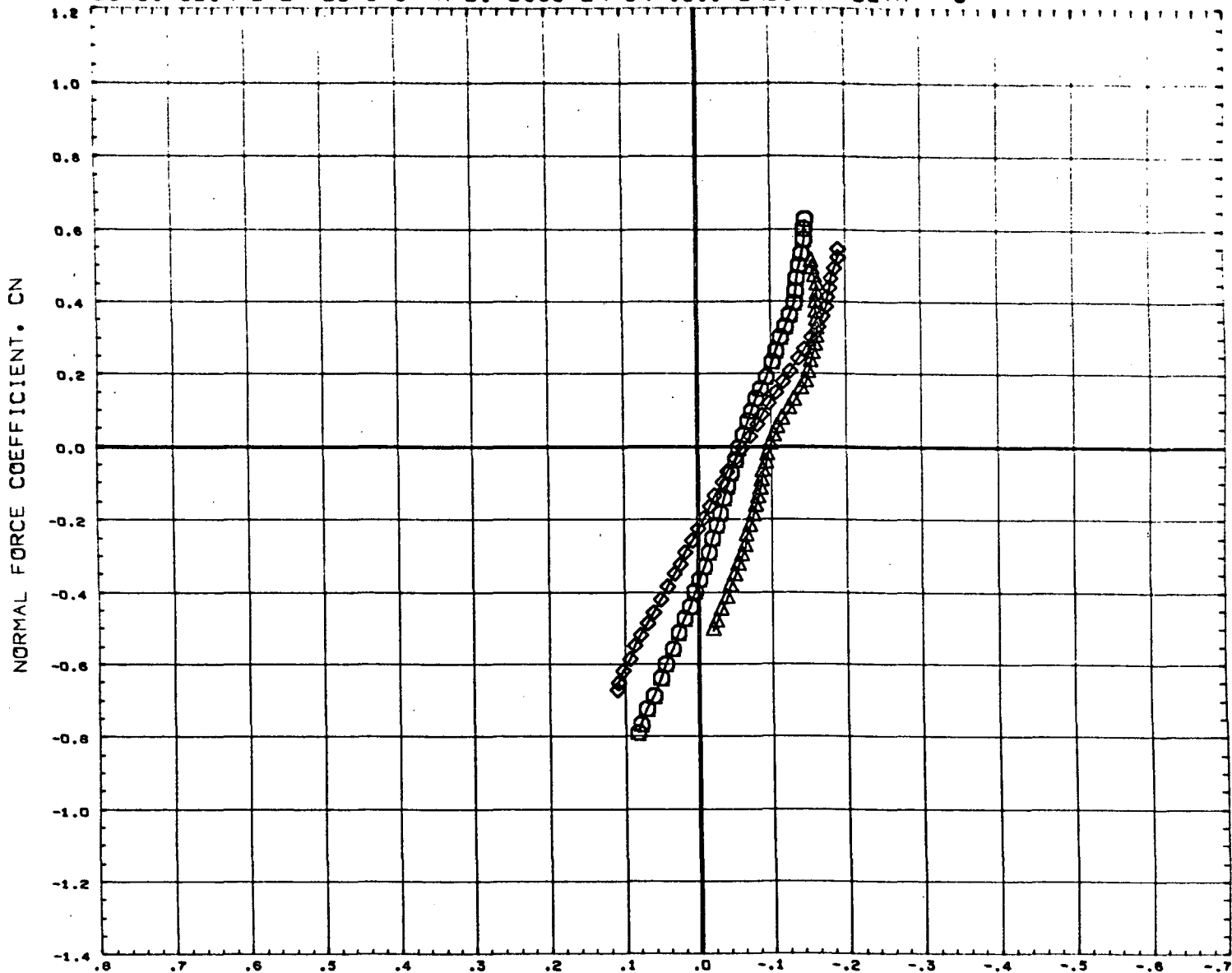
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7467)	MDAC S-222 COMPOSITE (T-CG) (01)T2AB1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7468)	MDAC S-222 COMPOSITE (T-CG) (01)T2AB1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.3004 IN.
(CD7469)	MDAC S-222 COMPOSITE (T-CG) (01)T2A (B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	537.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH

2.20

PAGE 993

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T2AB1 AT BETA = 6

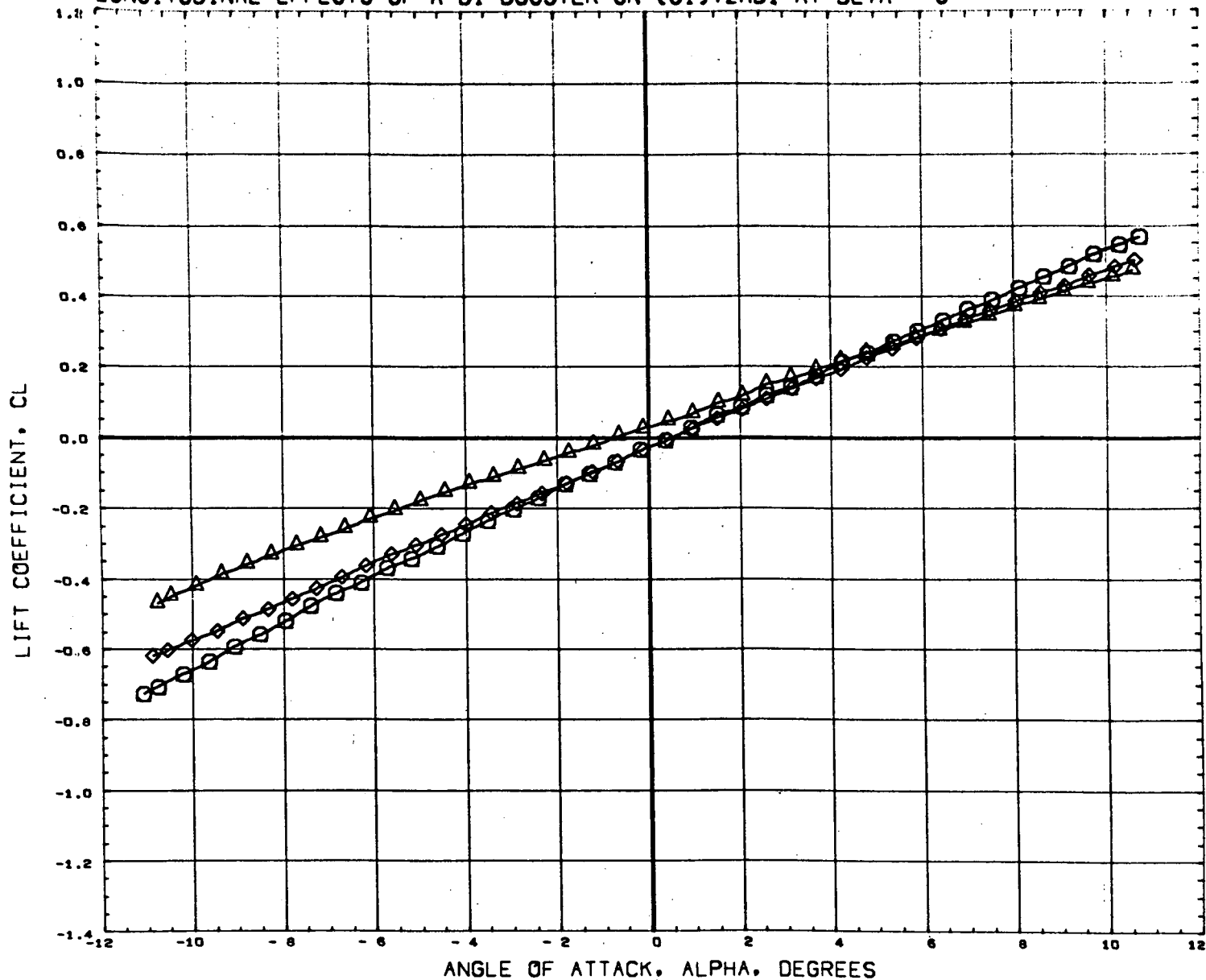


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7467)	MDAC S-222 COMPOSITE (T-CG) (O1)T2AB1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7468)	MDAC S-222 COMPOSITE (T-CG) (O1)T2AB1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7469)	MDAC S-222 COMPOSITE (T-CG) (O1)T2A (B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 994

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T2AB1 AT BETA = 6



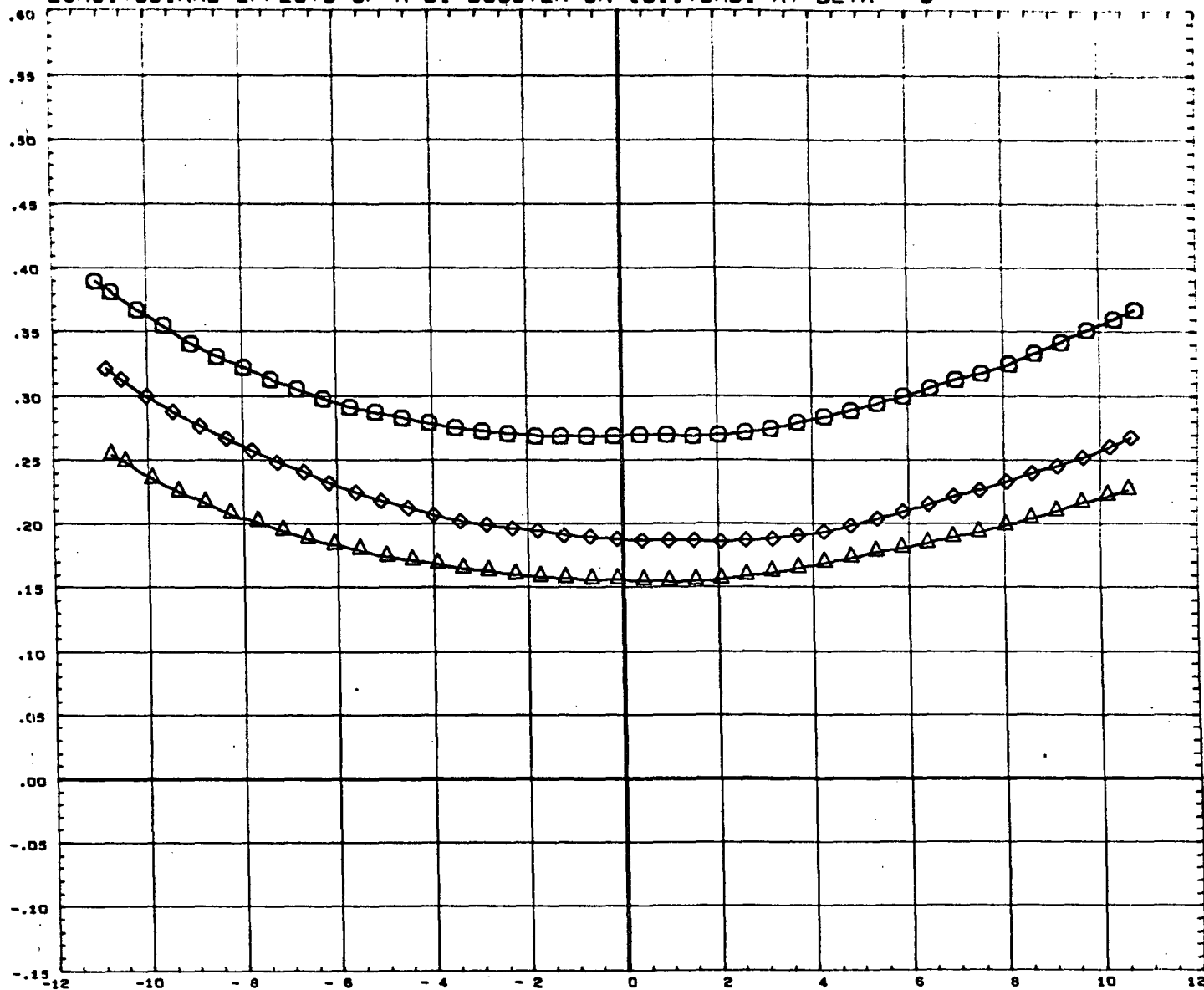
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7467)	MDAC S-222 COMPOSITE (T-CG) (01)T2AB1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7468)	MDAC S-222 COMPOSITE (T-CG) (01)T2AB1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7469)	MDAC S-222 COMPOSITE (T-CG) (01)T2A (B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 995

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T2AB1 AT BETA = 6

FOREBODY DRAG COEFFICIENT, CDF



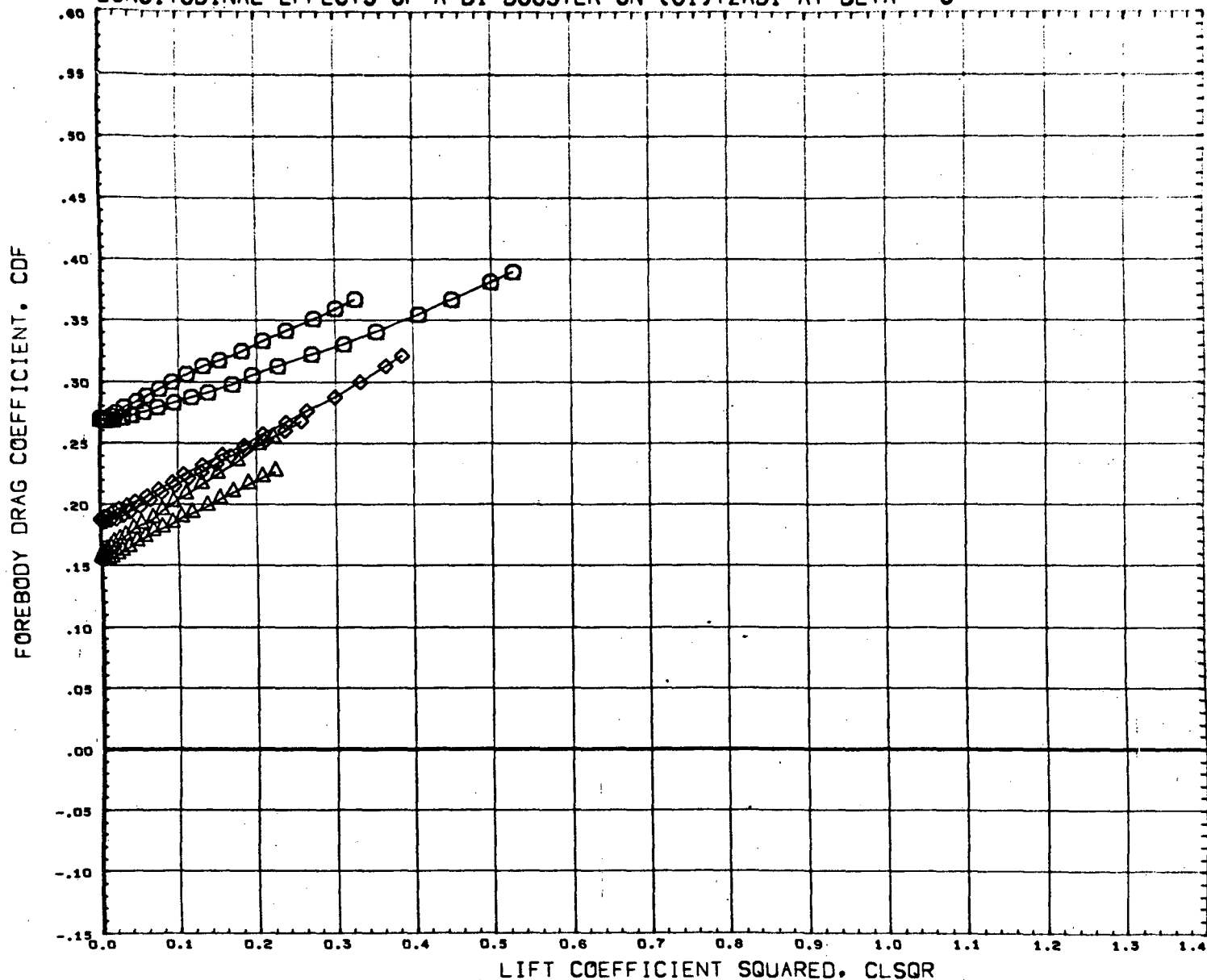
ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7467)	MDAC S-222 COMPOSITE (T-CG) (01) T2AB1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7468)	MDAC S-222 COMPOSITE (T-CG) (01) T2AB1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7469)	MDAC S-222 COMPOSITE (T-CG) (01) T2A (B1L) B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 996

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T2AB1 AT BETA = 6



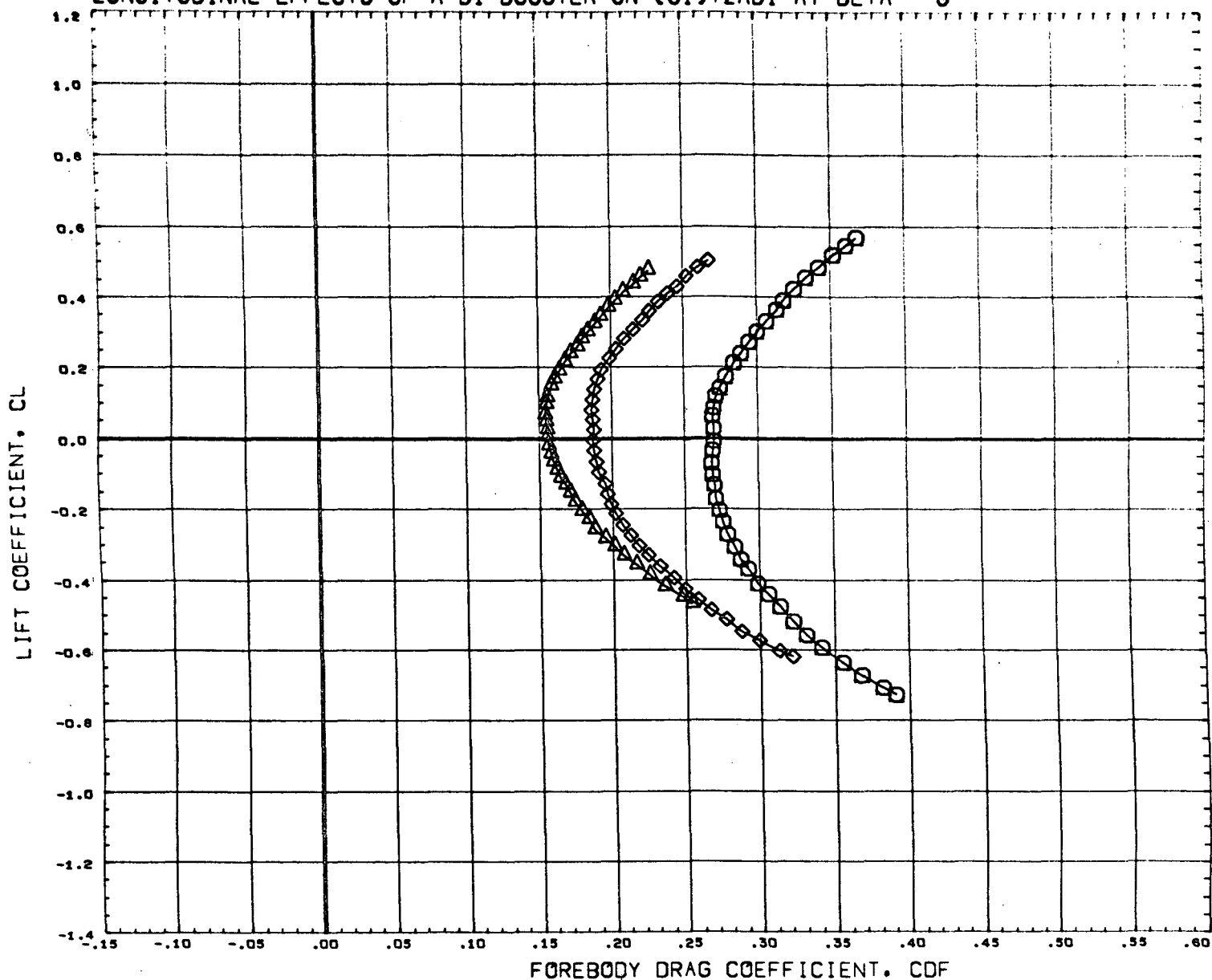
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07467)	MDAC S-222 COMPOSITE (T-CG) (01)T2AB1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07468)	MDAC S-222 COMPOSITE (T-CG) (01)T2AB1L(B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(C07469)	MDAC S-222 COMPOSITE (T-CG) (01)T2A(B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH

2.20

PAGE 997

# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T2AB1 AT BETA = 6



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7467)	○	MDAC S-222 COMPOSITE (T-CG) (O1)T2AB1
(CD7468)	△	MDAC S-222 COMPOSITE (T-CG) (O1)T2AB1L (B1R)
(CD7469)	◇	MDAC S-222 COMPOSITE (T-CG) (O1)T2A (B1L) B1R

BETA	ELEVTR	AILRON	RUDDER
6.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000

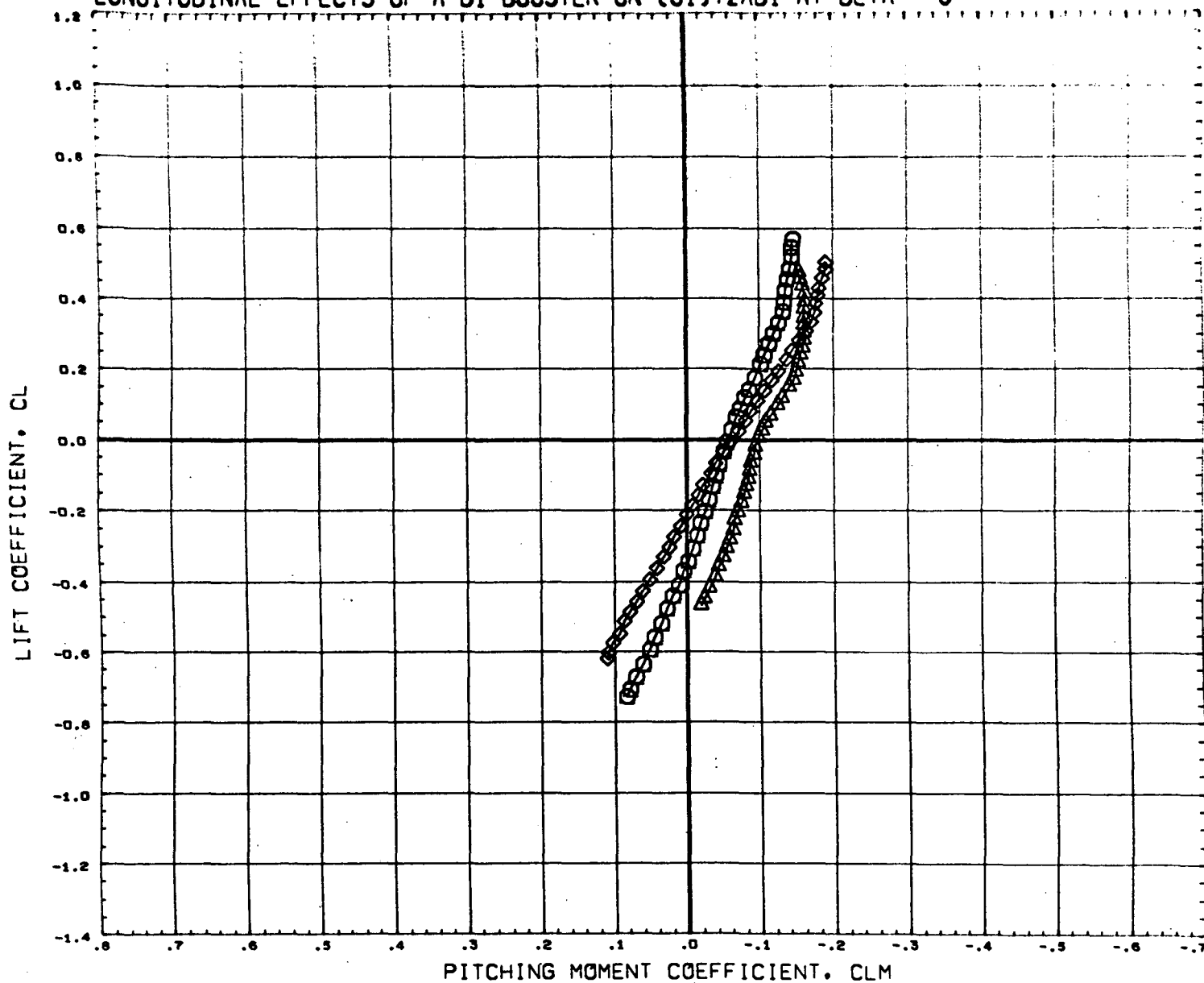
REFERENCE INFORMATION		
SREF	3155.3040	sq.ft.
LREF	609.5004	in.
BREF	882.0004	in.
YMRP	557.0004	in.
YMRP	0.0000	in.
ZMRP	200.0004	in.
SCALE	0.0060	

MACH 2.20

PAGE 998



# LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T2AB1 AT BETA = 6



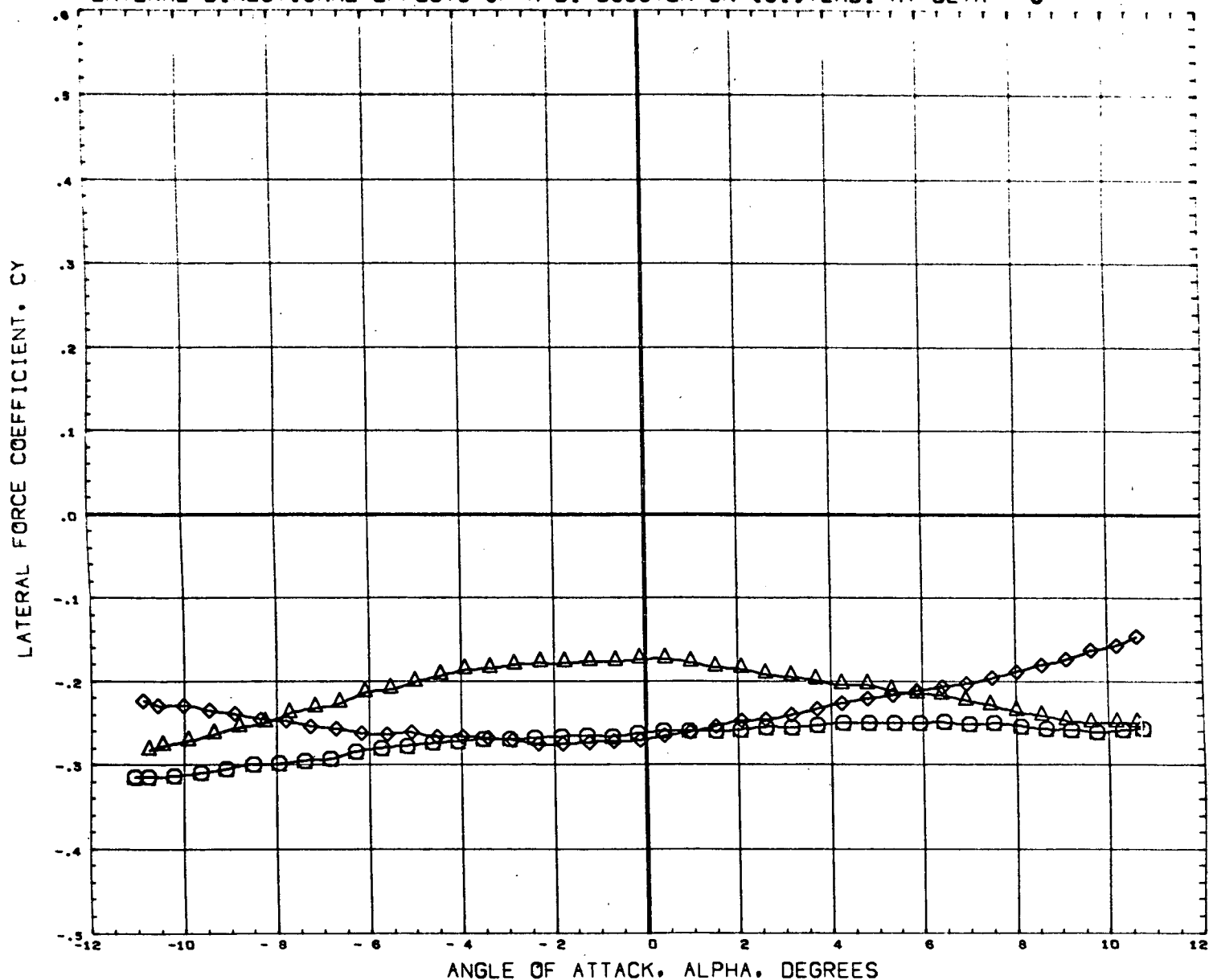
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7467)	MDAC S-222 COMPOSITE (T-CG) (O1)T2AB1	6.000	0.000	0.000	0.000	SREF	3155.3040	SO.FT.
(CD7468)	MDAC S-222 COMPOSITE (T-CG) (O1)T2AB1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004	IN.
(CD7469)	MDAC S-222 COMPOSITE (T-CG) (O1)T2A (B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004	IN.
						XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH

2.20

PAGE 999

# LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (O1)T2AB1 AT BETA = 6



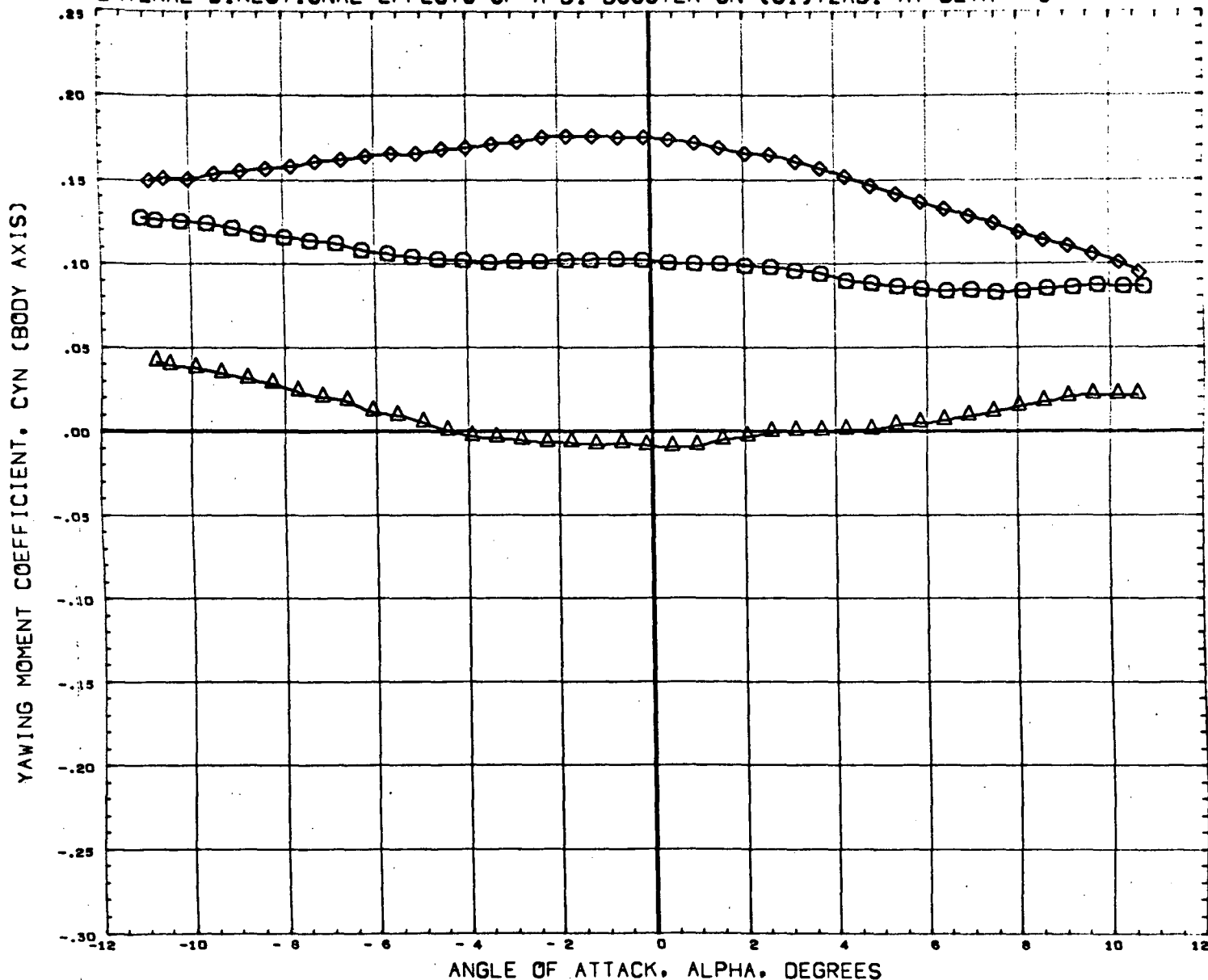
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7467)	MDAC S-222 COMPOSITE (T-CG) (O1)T2AB1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7468)	MDAC S-222 COMPOSITE (T-CG) (O1)T2AB1L(B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7469)	MDAC S-222 COMPOSITE (T-CG) (O1)T2A(B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH

2.20

PAGE 1000

# LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (O1)T2AB1 AT BETA = 6

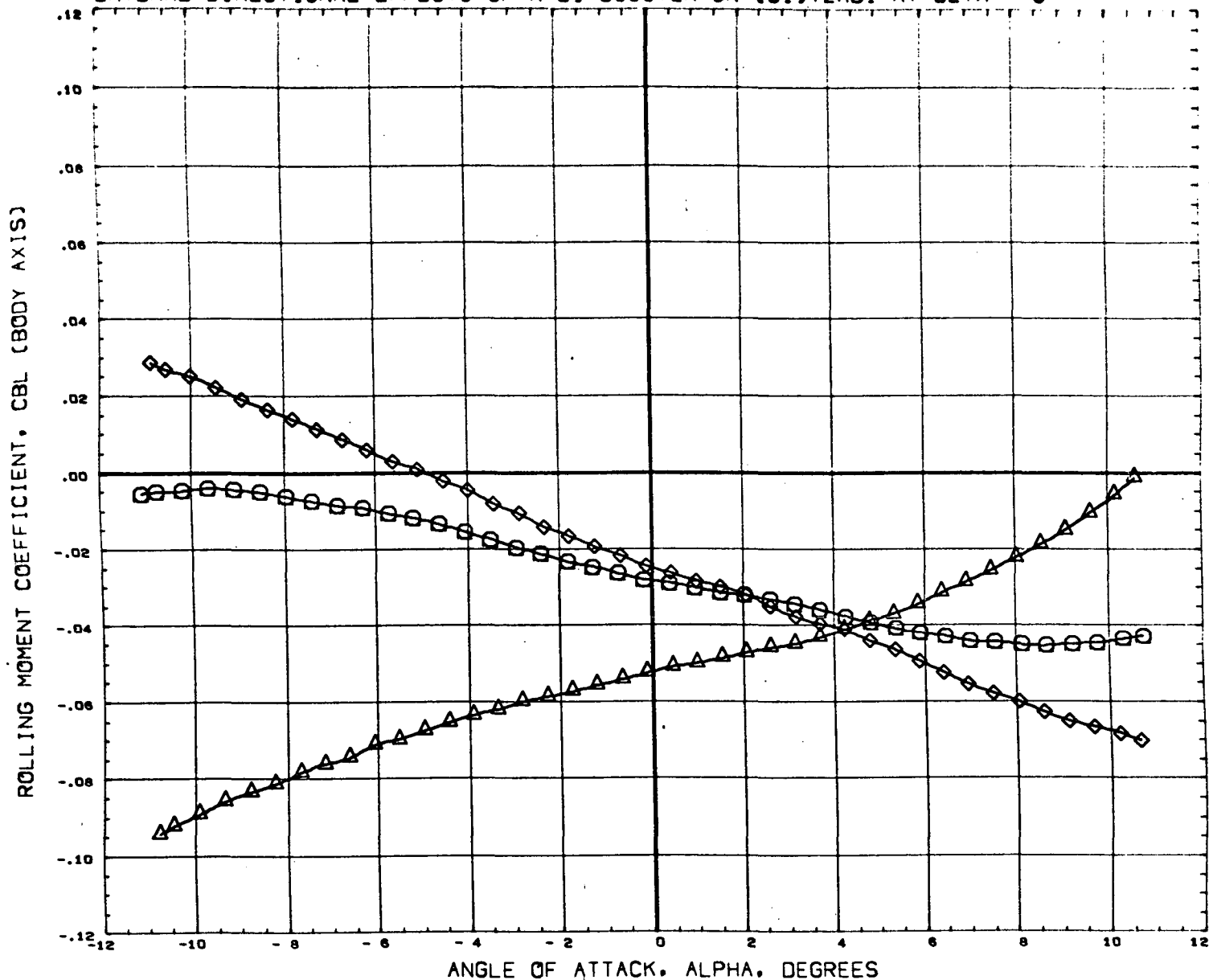


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7467)	MDAC S-222 COMPOSITE (T-CG) (O1) T2AB1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7468)	MDAC S-222 COMPOSITE (T-CG) (O1) T2AB1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7469)	MDAC S-222 COMPOSITE (T-CG) (O1) T2A (B1L) B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 1001

# LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (01)T2AB1 AT BETA = 6

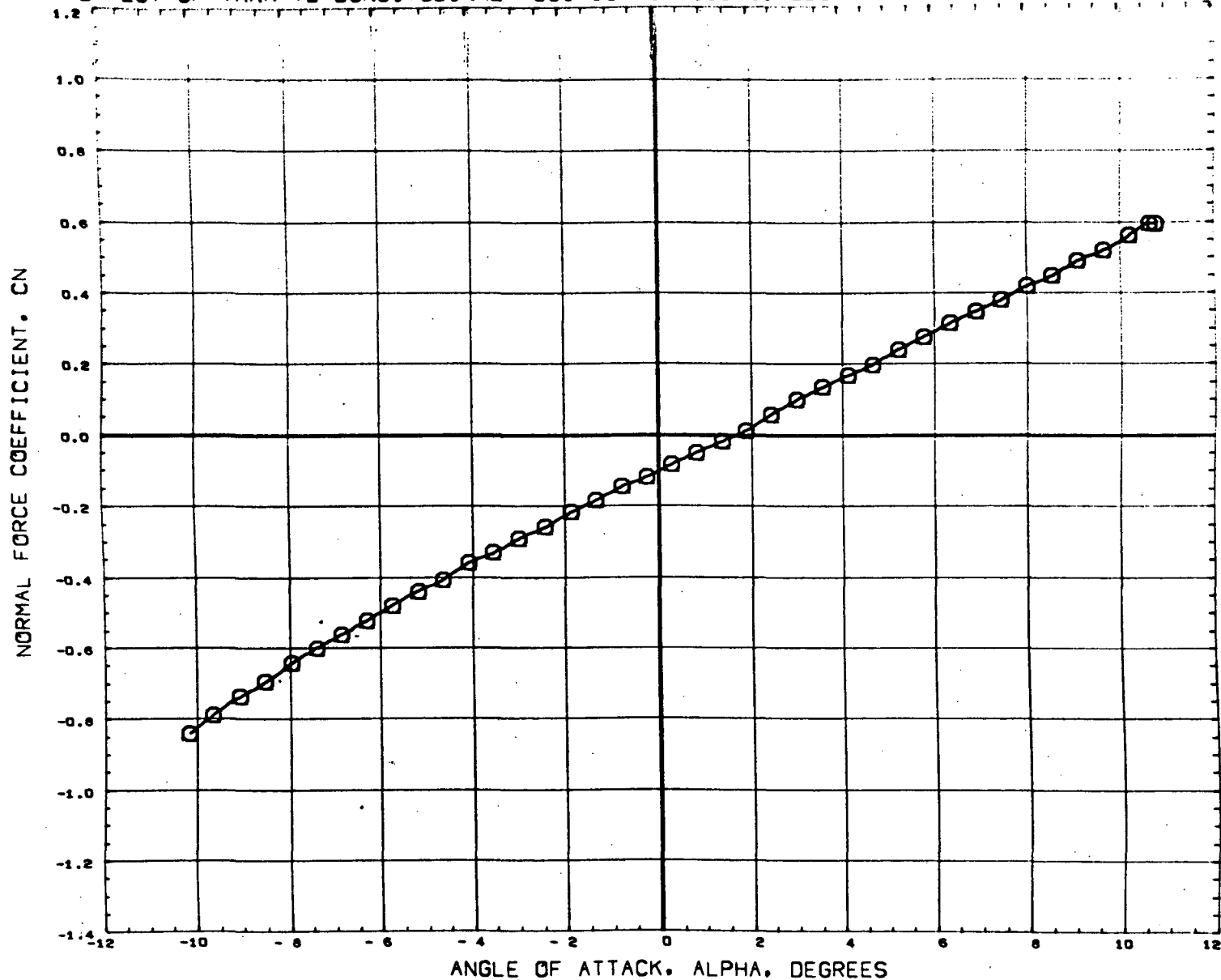


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(R07467)	MDAC S-222 COMPOSITE (T-CG) (01) T2AB1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(R07468)	MDAC S-222 COMPOSITE (T-CG) (01) T2AB1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(R07469)	MDAC S-222 COMPOSITE (T-CG) (01) T2A (B1L) B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH -2.20

PAGE 1002

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD74B9) MDAC S-222 COMPOSITE(T-CG) (01V1)T2B5  
 (DD74E9) DATA NOT AVAILABLE FOR ALL CONDITIONS

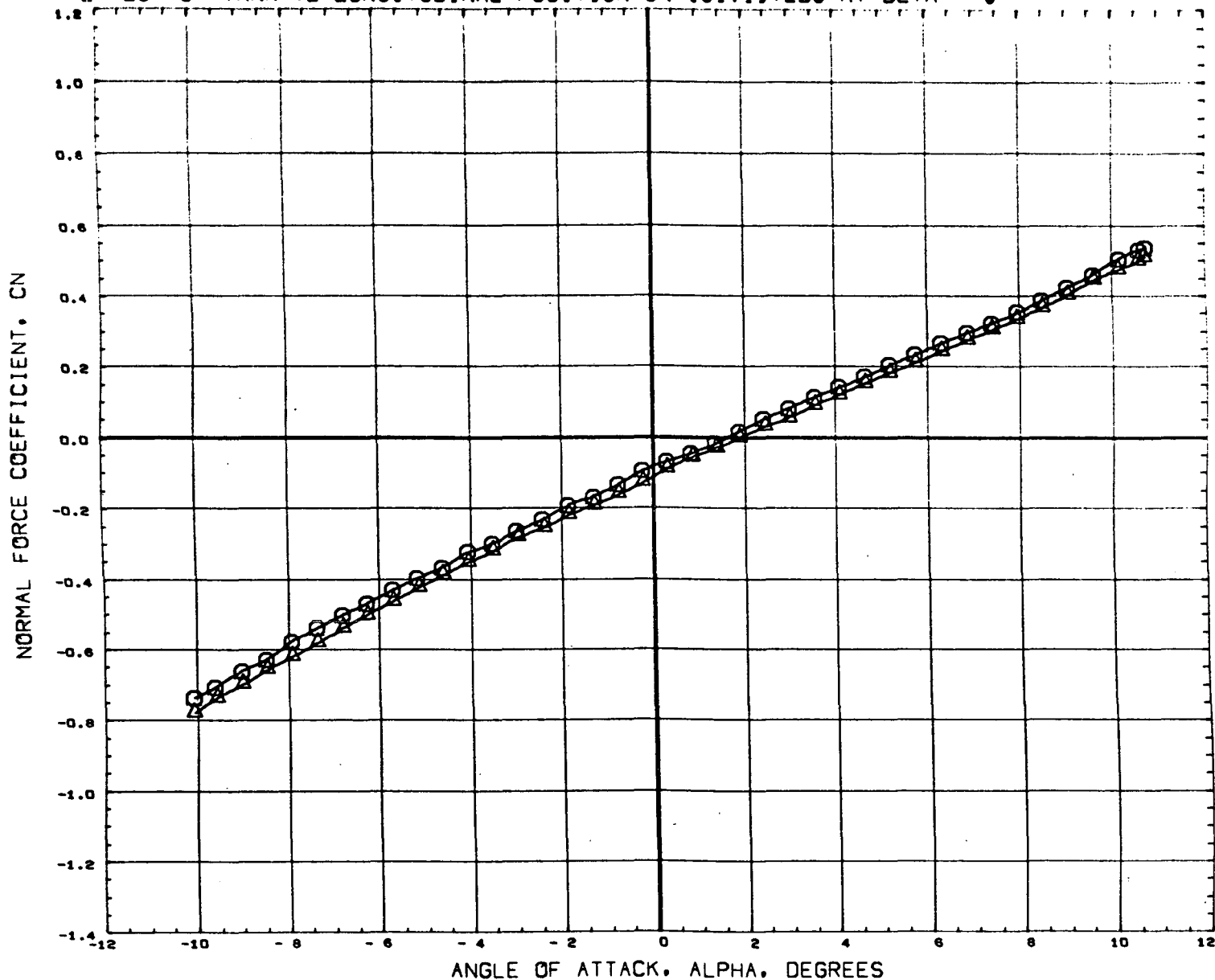
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060 SCALE

MACH

1.51

PAGE 1003

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0

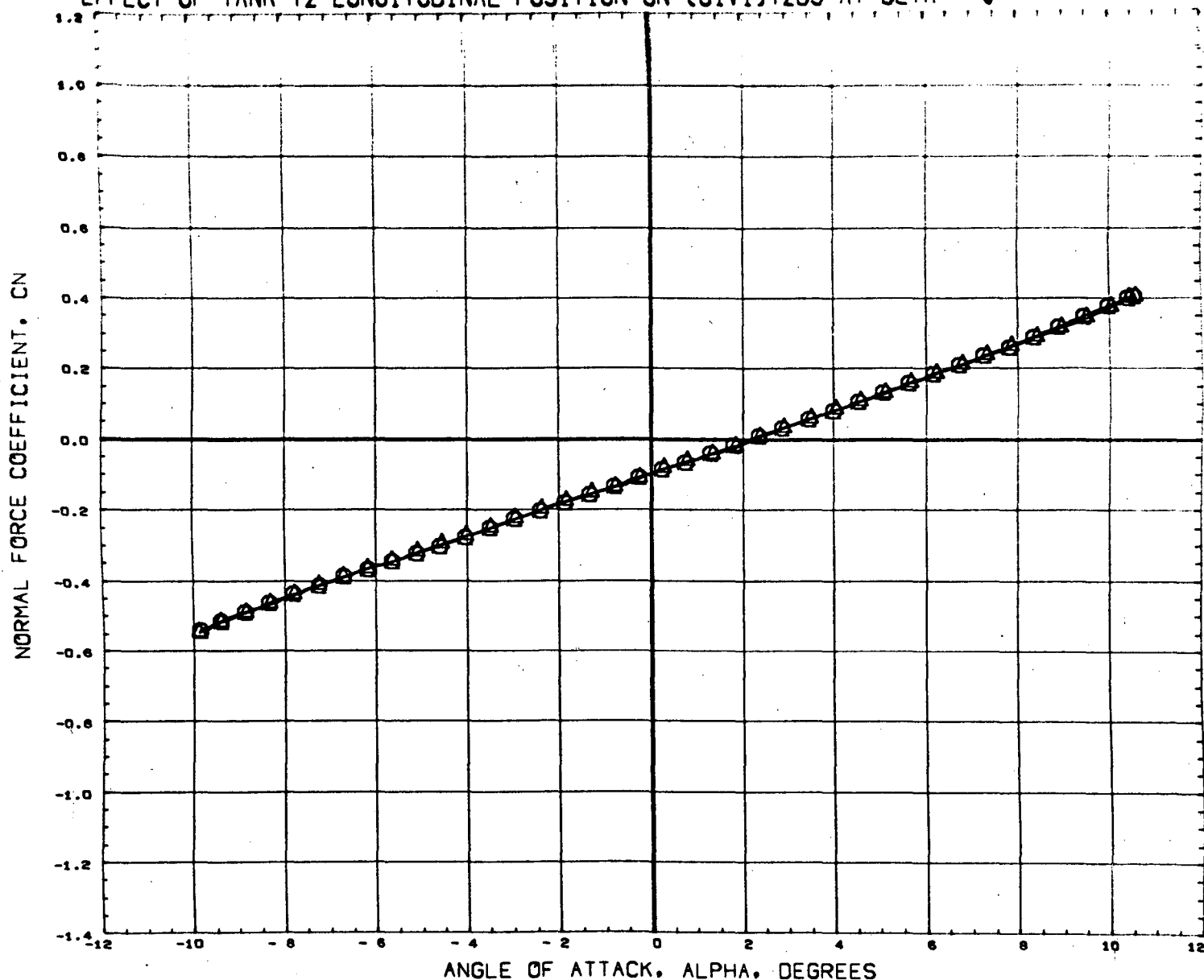




DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD74B9)	MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD74E9)	MDAC S-222 COMPOSITE (T-CG) (01V1)T2AB5	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060 SCALE

MACH 2.20

PAGE 1004

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0



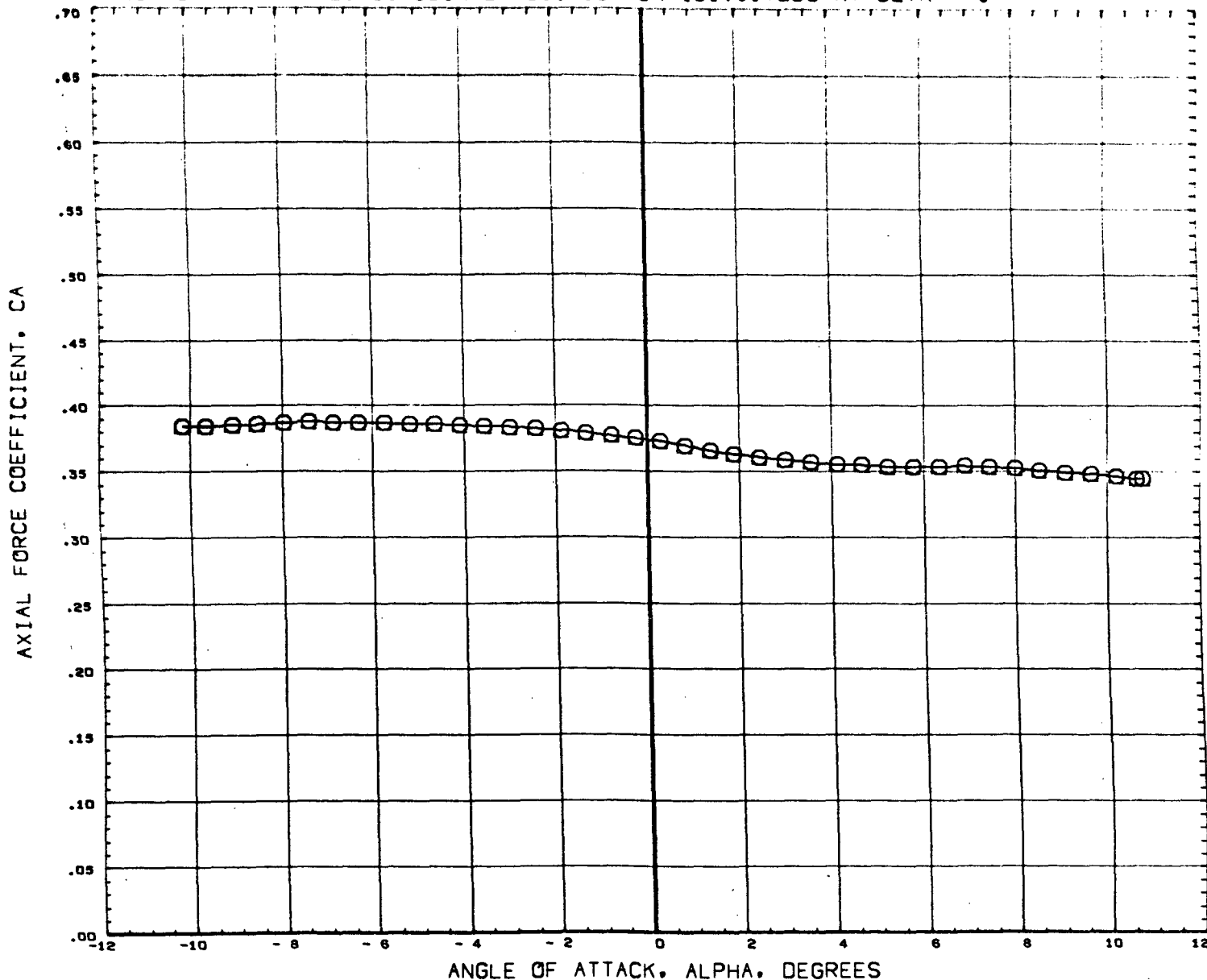
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD74E9) 	MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5
(DD74E9) 	MDAC S-222 COMPOSITE (T-CG) (01V1)T2AB5

BETA	ELEVTR	ATLON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060 SCALE

MACH 4.47

PAGE 1005

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0



DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (CD74B9)    MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5  
 (DD74E9)    DATA NOT AVAILABLE FOR ALL CONDITIONS

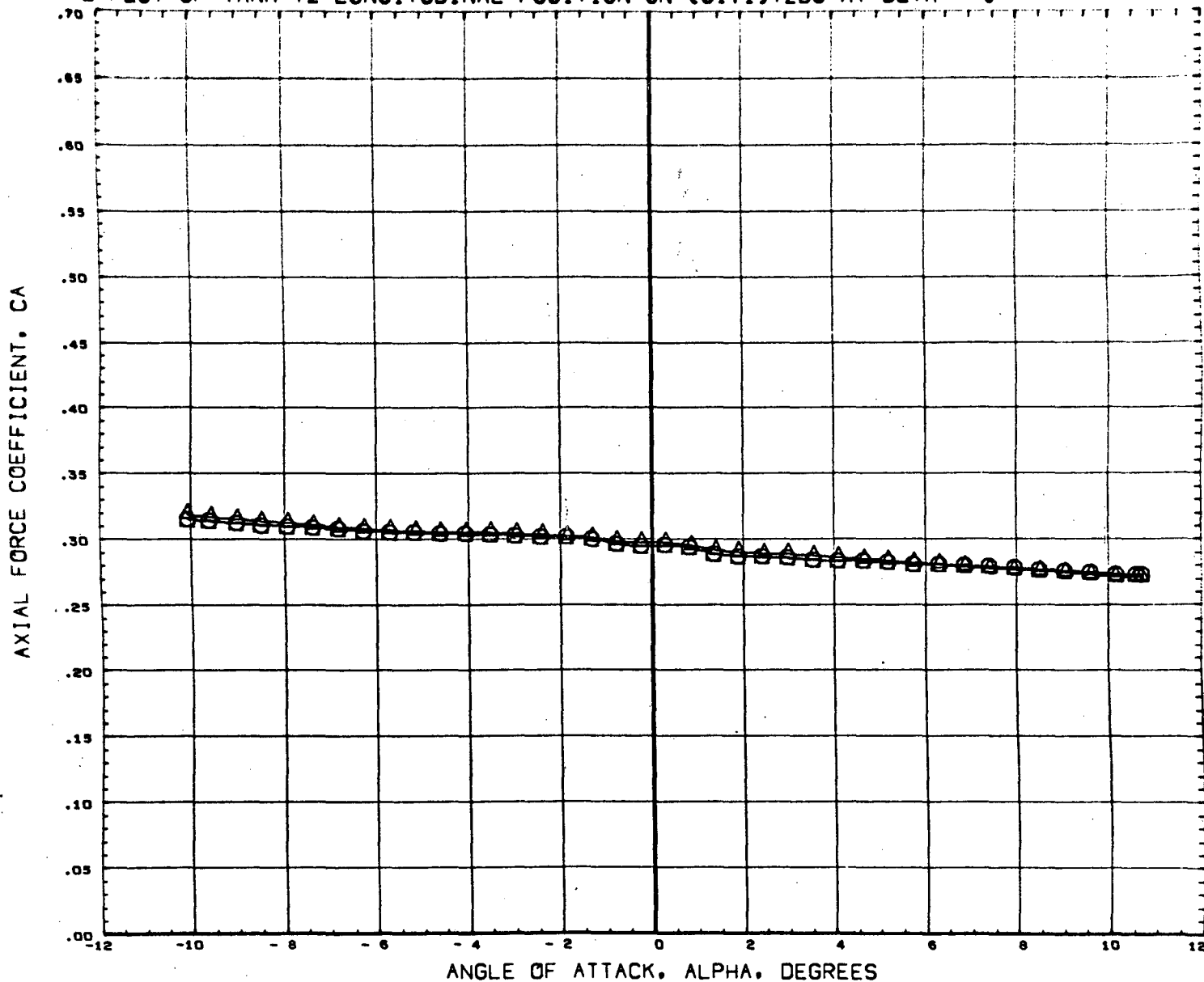
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060 SCALE

MACH    1.51

PAGE 1006



# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (O1V1)T2B5 AT BETA = 0

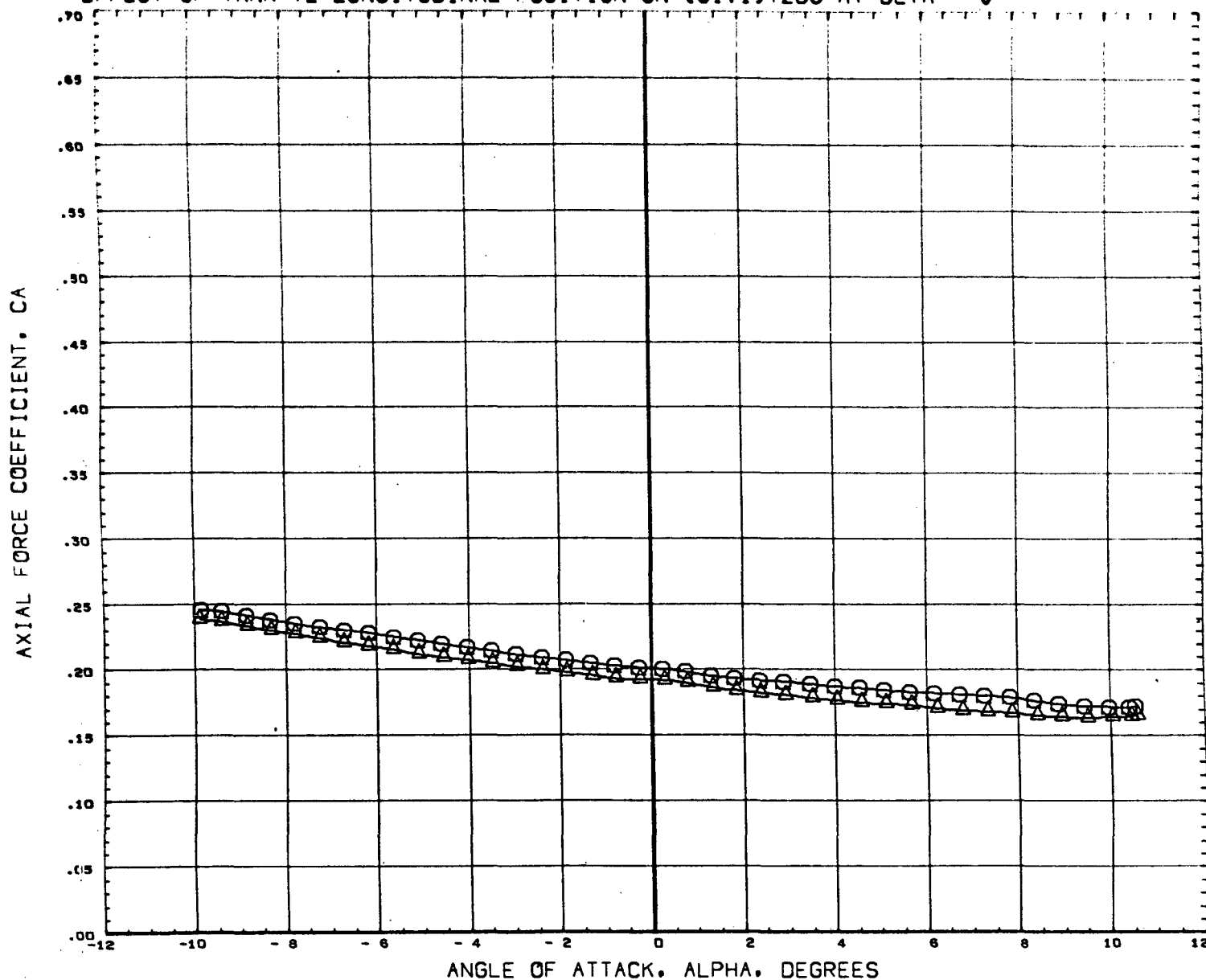


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD74B9)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T2B5	0.000	0.000	0.000	0.000	SREF	3155.3040	SO.FT.
(DD74E9)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T2AB5	0.000	0.000	0.000	0.000	LREF	609.5004	IN.
						BREF	882.0004	IN.
						XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	SCALE

MACH 2.20

PAGE- 1007

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0



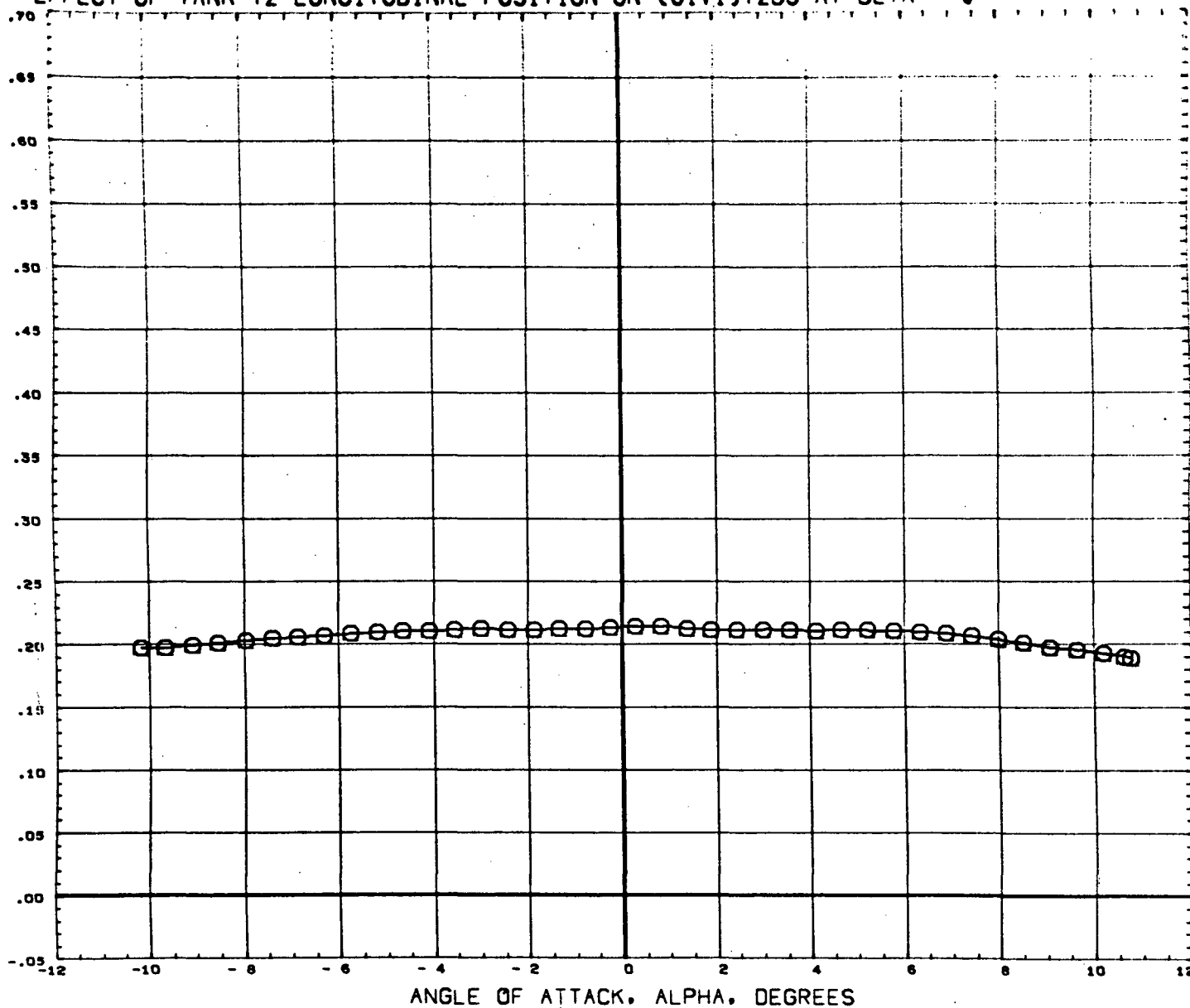
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD74B9)	MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5	0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(DD74E9)	MDAC S-222 COMPOSITE (T-CG) (01V1)T2AB5	0.000	0.000	0.000	0.000	LREF	609.5004	IN.
						BREF	882.0004	IN.
						XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	SCALE

MACH 4.47

PAGE 1008

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF



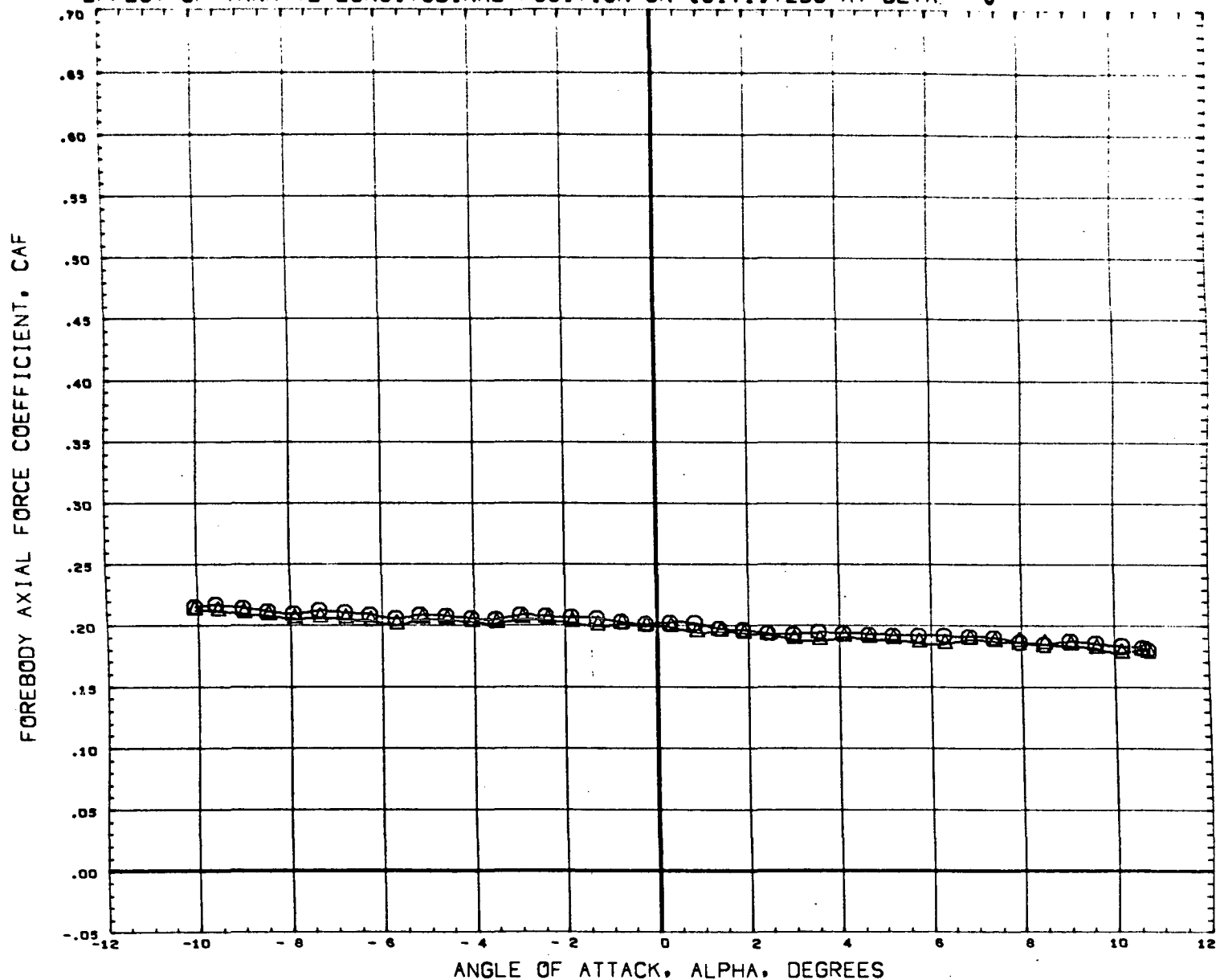
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD74B9) (01V1)T2B5  
 (DD74E9) DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	862.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060 SCALE

MACH 1.51

PAGE 1009

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (O1V1)T2B5 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD74B9) MDAC S-222 COMPOSITE (T-CG) (O1V1) T2B5  
 (DD74E9) MDAC S-222 COMPOSITE (T-CG) (O1V1) T2B5

BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 0.000 0.000 0.000 0.000

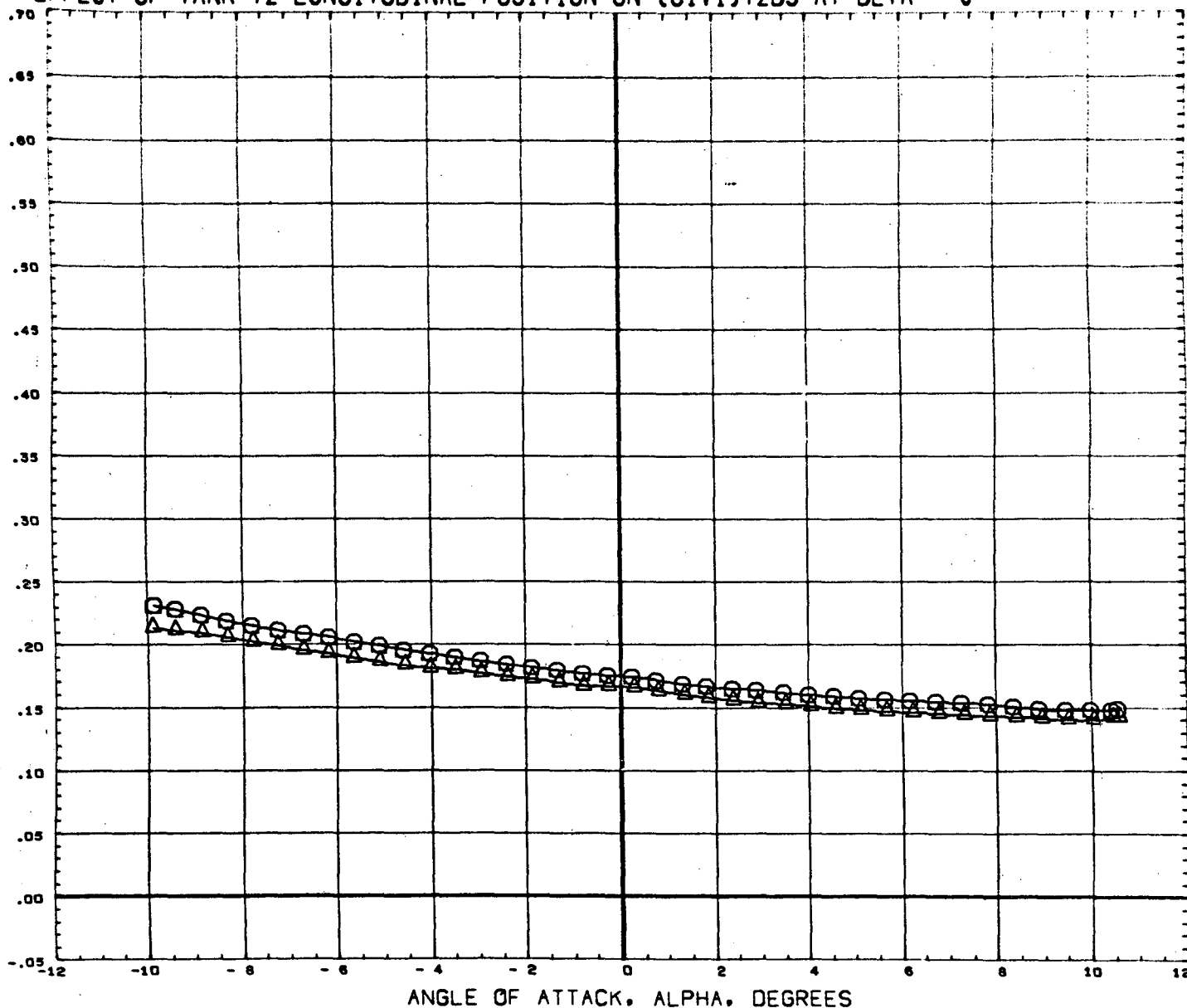
REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060 SCALE

MACH 2.20

PAGE 1010

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF

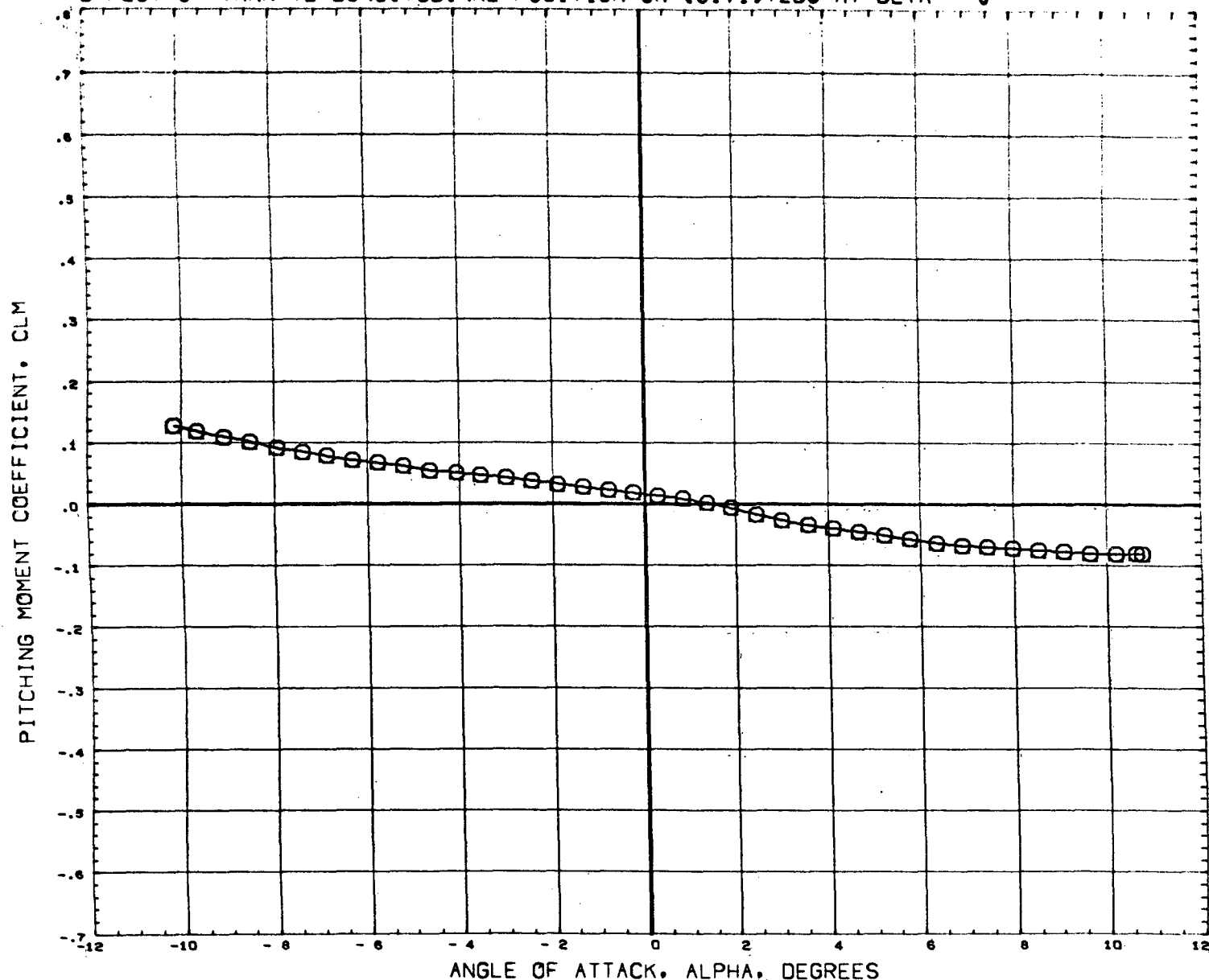



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD74B9)	MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD74E9)	MDAC S-222 COMPOSITE (T-CG) (01V1)T2AB5	0.000	0.000	0.000	0.000	LREF	609.3004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060 SCALE

MACH 4.47

PAGE 1011

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0



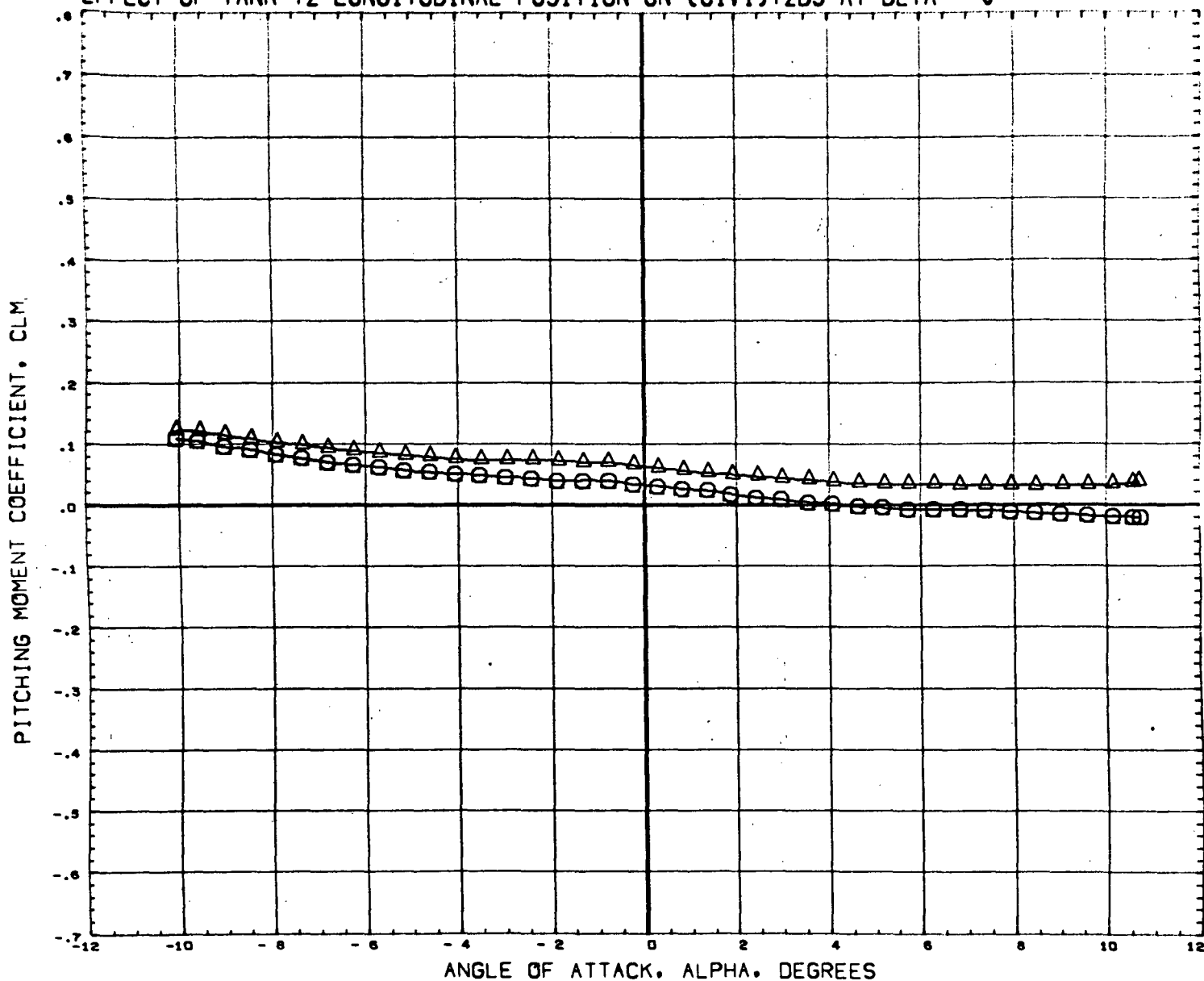
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD74B9)  MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5  
 (DD74E9)  DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5504	IN.
				BREF	882.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	SCALE

MACH 1.51

PAGE 1012

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0



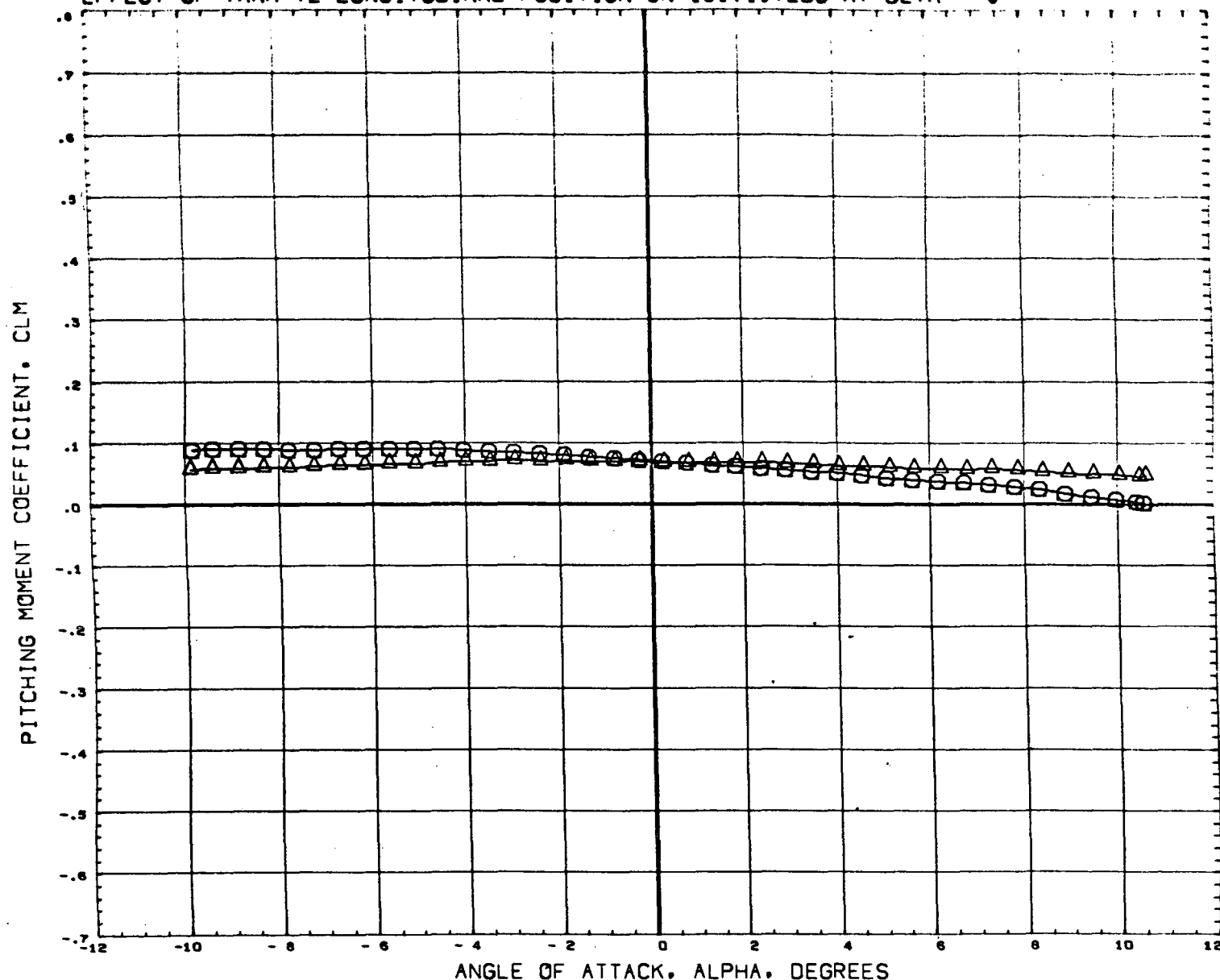
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD74B9)	MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5
(DD74E9)	MDAC S-222 COMPOSITE (T-CG) (01V1)T2AB5

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060 SCALE

MACH 2.20

PAGE 1013

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (O1V1)T2B5 AT BETA = 0



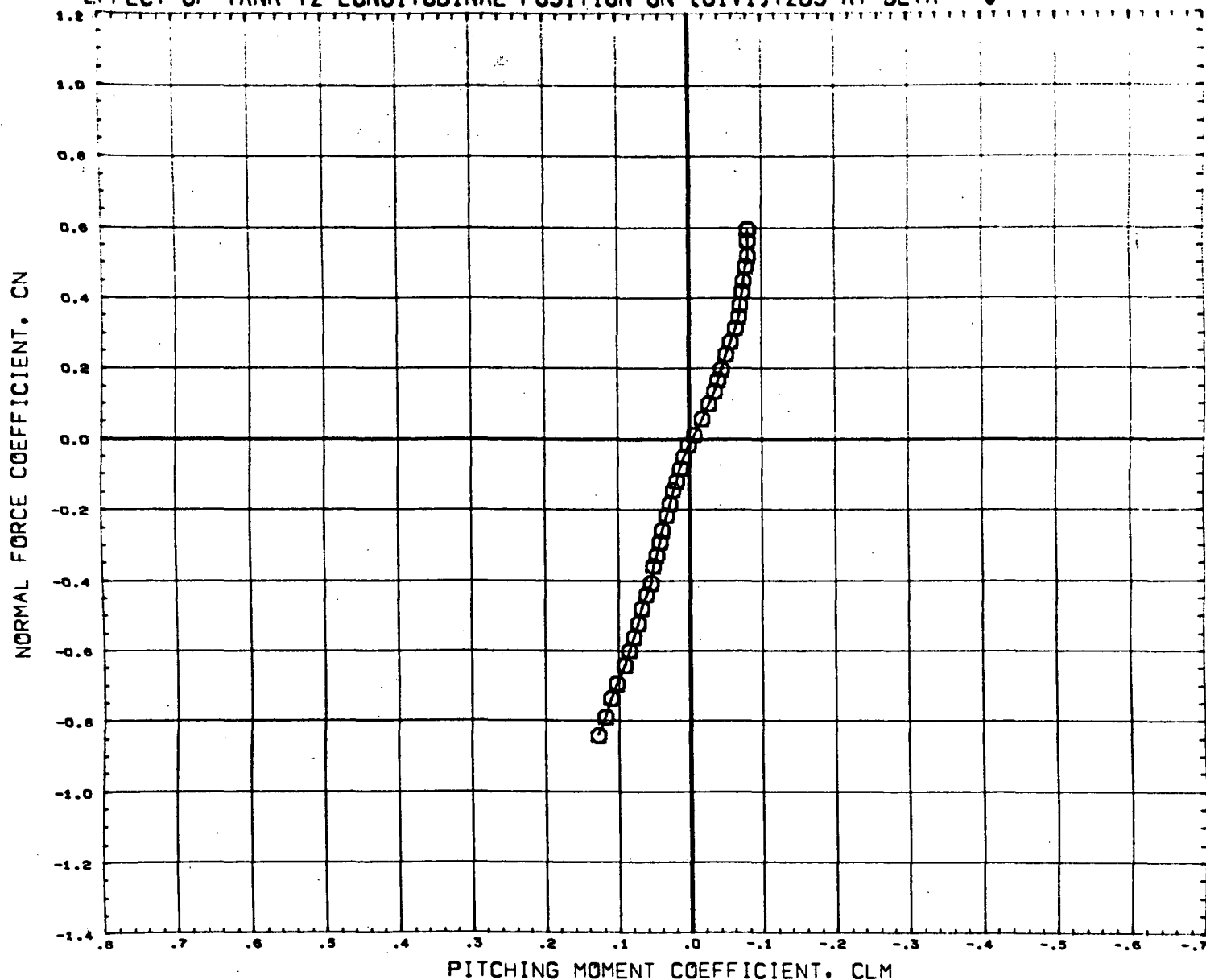
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD74B9)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T2B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD74E9)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T2AB5	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	682.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060 SCALE

MACH 4.47

PAGE 1014



# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (O1V1)T2B5 AT BETA = 0



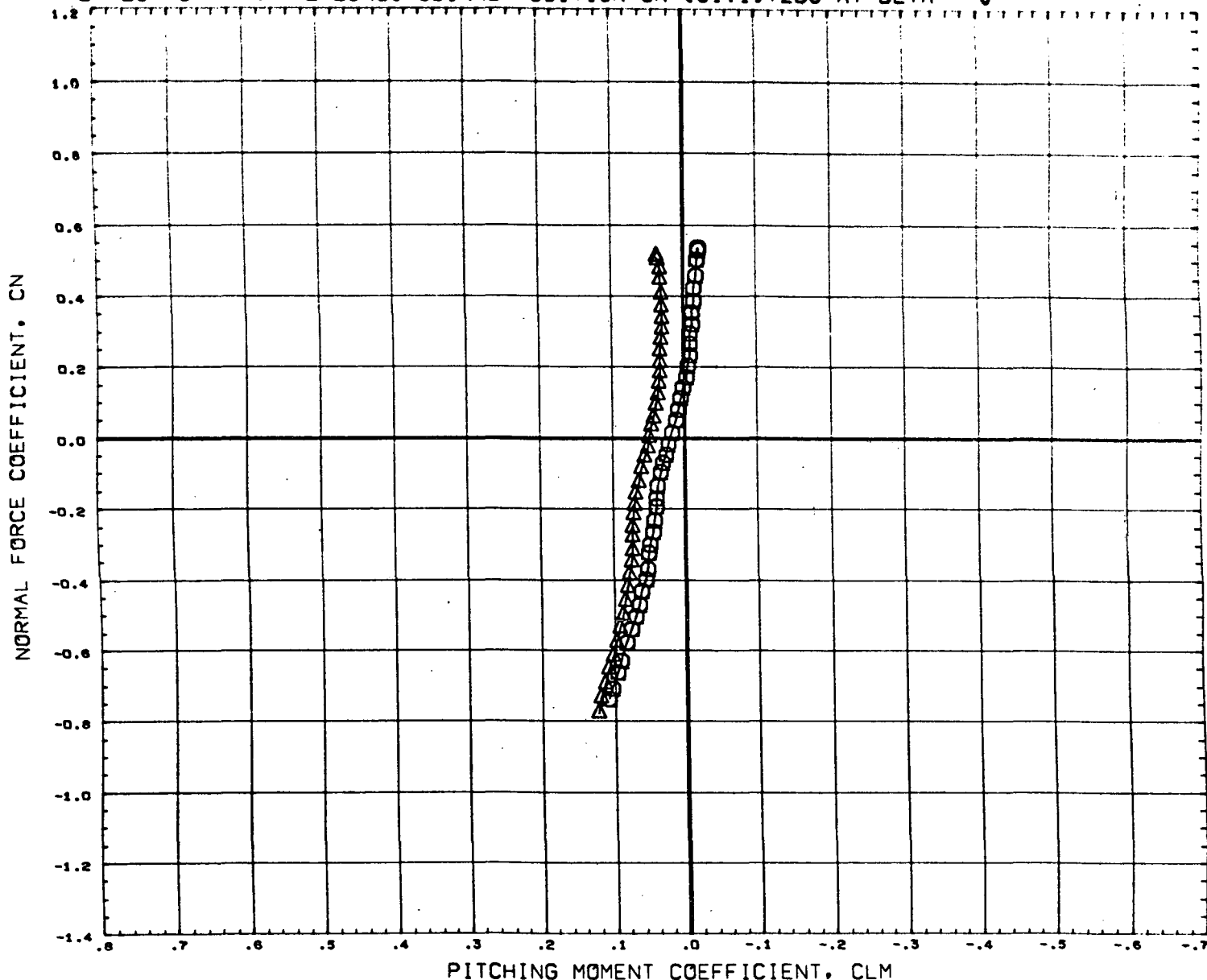
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(C074B9)  $\Delta$  MDAC S-222 COMPOSITE (T-CG) (O1V1)T2B5  
(DD74E9)  $\Delta$  DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060 SCALE

MACH 1.51

PAGE 1015

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (O1V1)T2B5 AT BETA = 0

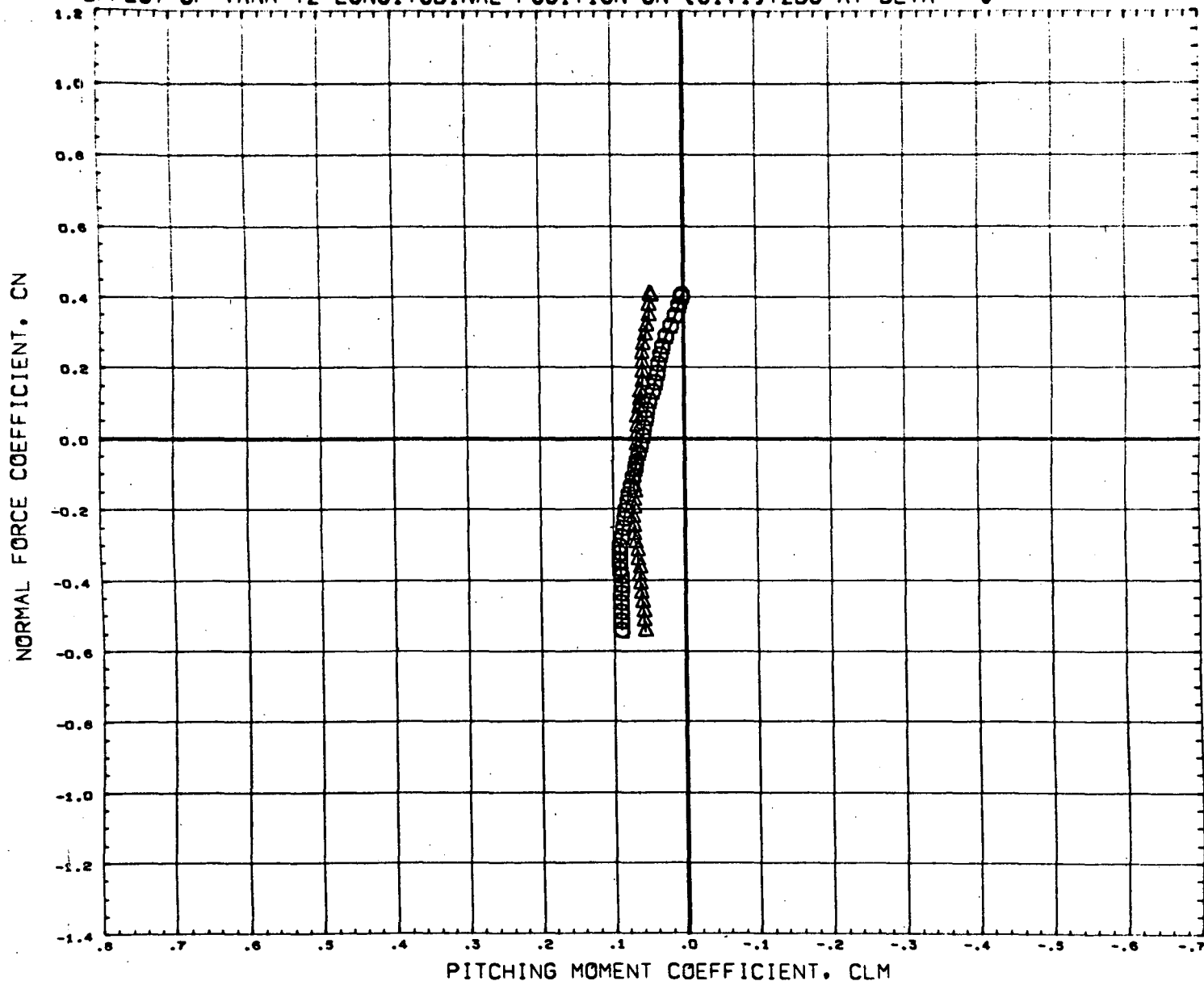


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD74B9)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T2B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD74E9)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T2AB5	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060 SCALE

MACH 2.20

PAGE 1016

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD74B9) MDAC S-222 COMPOSITE (T-CG) (01V1) T2B5  
 (DD74E9) MDAC S-222 COMPOSITE (T-CG) (01V1) T2AB5

BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 0.000 0.000 0.000 0.000

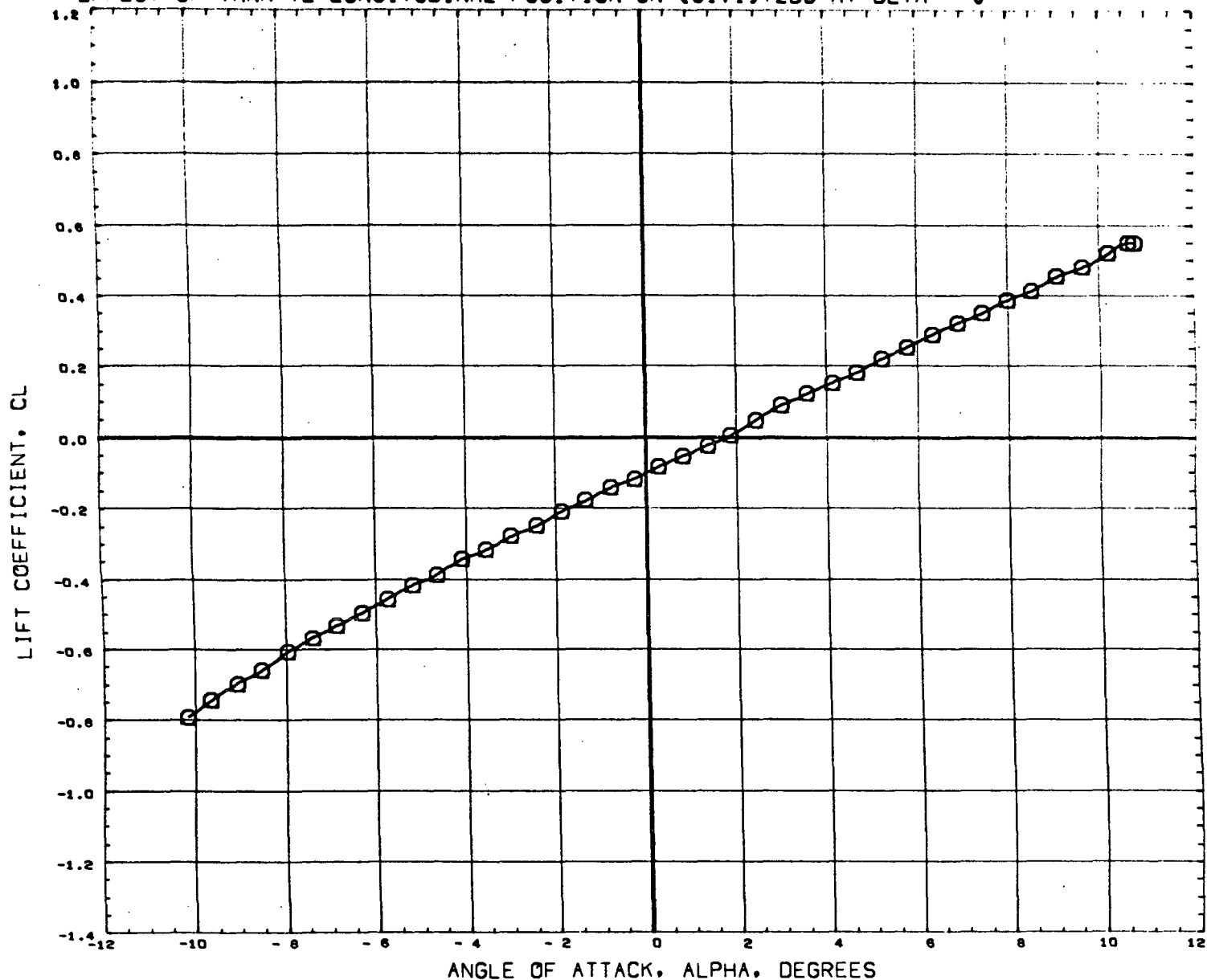
REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060 SCALE

MACH 4.47

PAGE 1017

C.13

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0



DATA SET SYMBOL (CD74B9) (CD74E9) CONFIGURATION DESCRIPTION MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5 DATA NOT AVAILABLE FOR ALL CONDITIONS

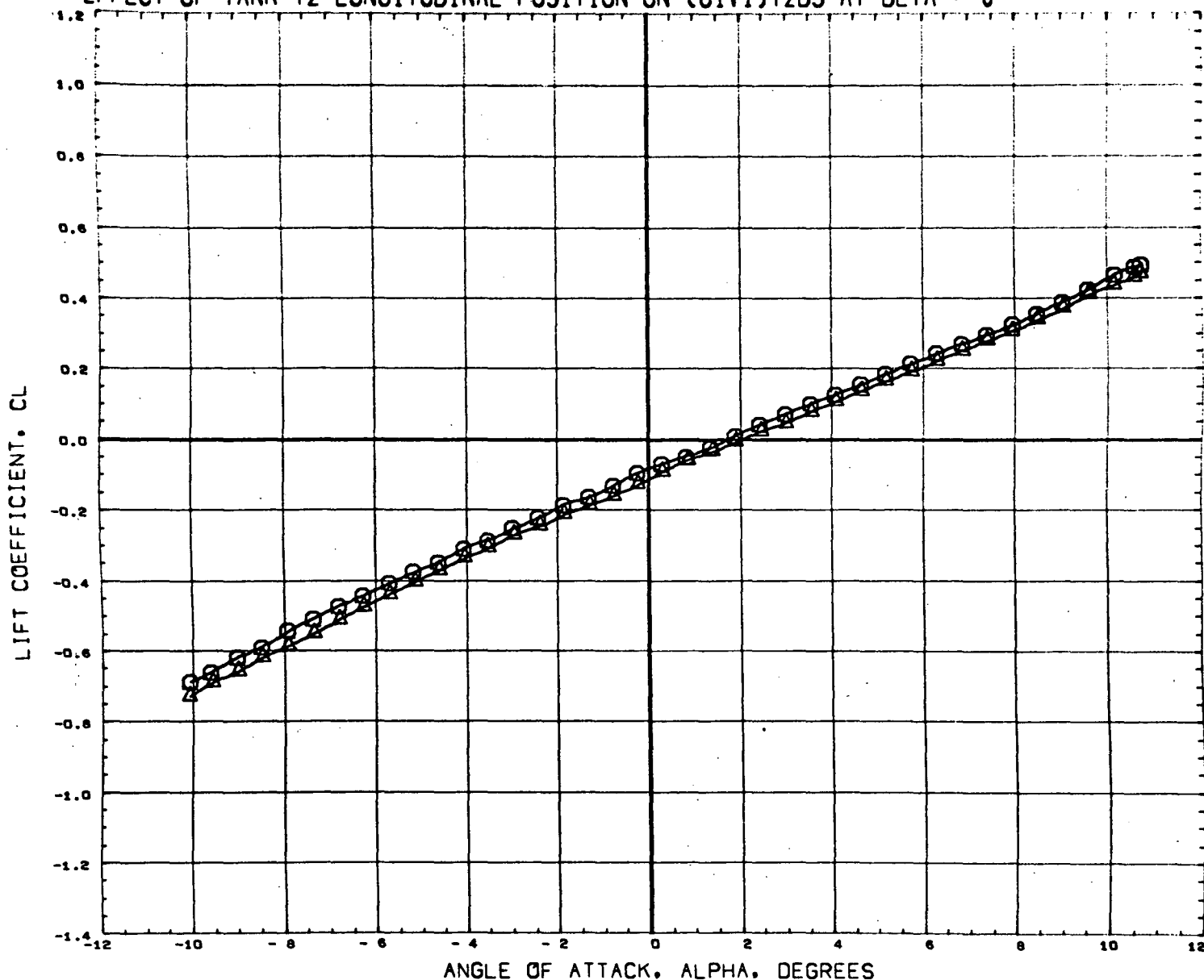
BETA 0.000 0.000 0.000 0.000 ELEVTR 0.000 0.000 0.000 0.000 AILRON 0.000 0.000 0.000 0.000 RUDDER 0.000 0.000 0.000 0.000

REFERENCE INFORMATION SREF 3155.3040 SQ.FT. LREF 609.5004 IN. BREF 882.0004 IN. XMRP 557.0004 IN. YMRP 0.0000 IN. ZMRP 200.0004 IN. SCALE 0.0060 SCALE

MACH 1.51

PAGE 1018

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0



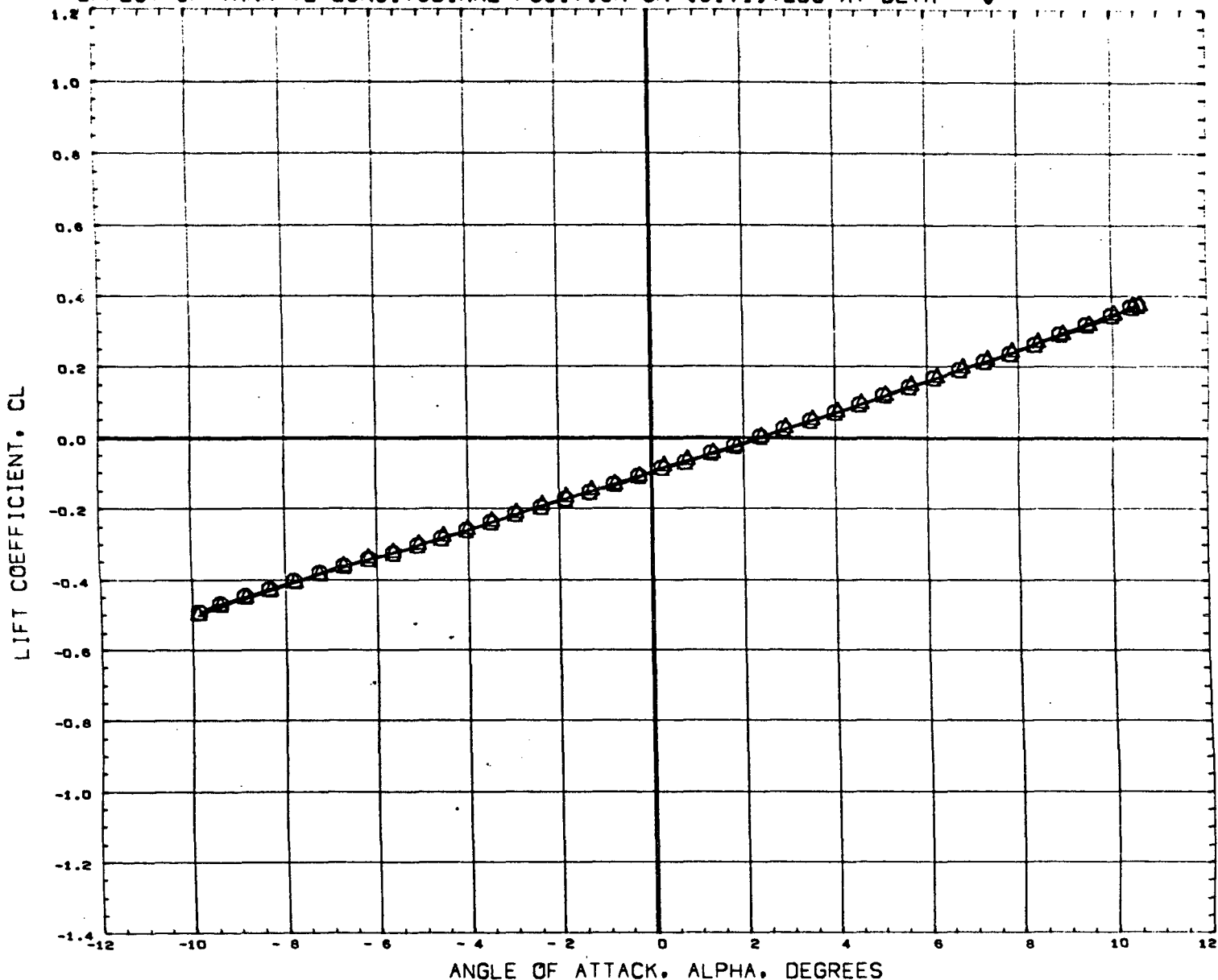
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD74B9)	MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5
(DD74E9)	MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	537.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060 SCALE

MACH 2.20

PAGE 1019

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0



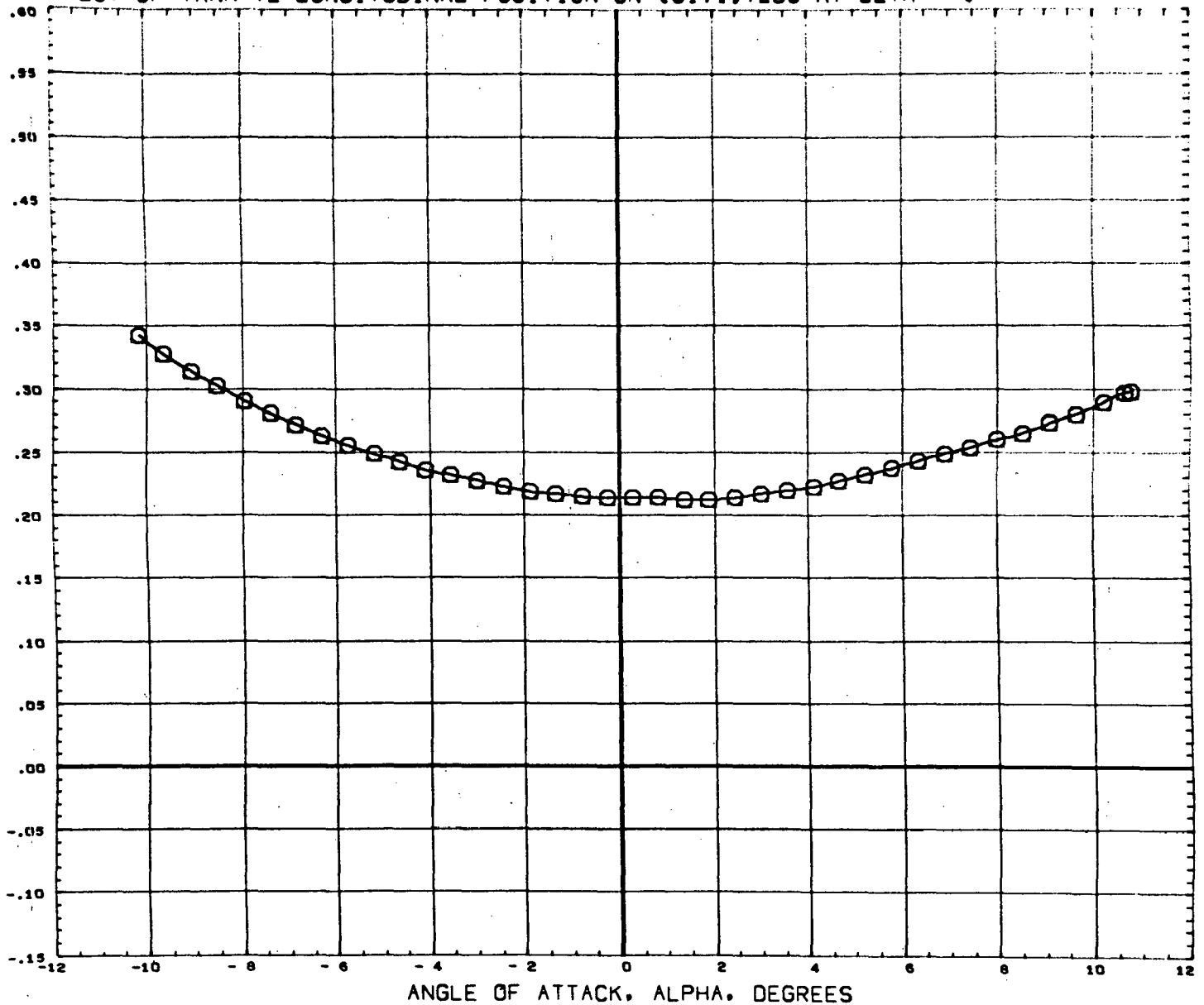
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7489) ○	MDAC S-222 COMPOSITE (T-CG) (01V1) T2B5
(DD74E9) △	MDAC S-222 COMPOSITE (T-CG) (01V1) T2AB5

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060 SCALE

MACH 4.47

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7489) MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5  
 (DD74E9) DATA NOT AVAILABLE FOR ALL CONDITIONS

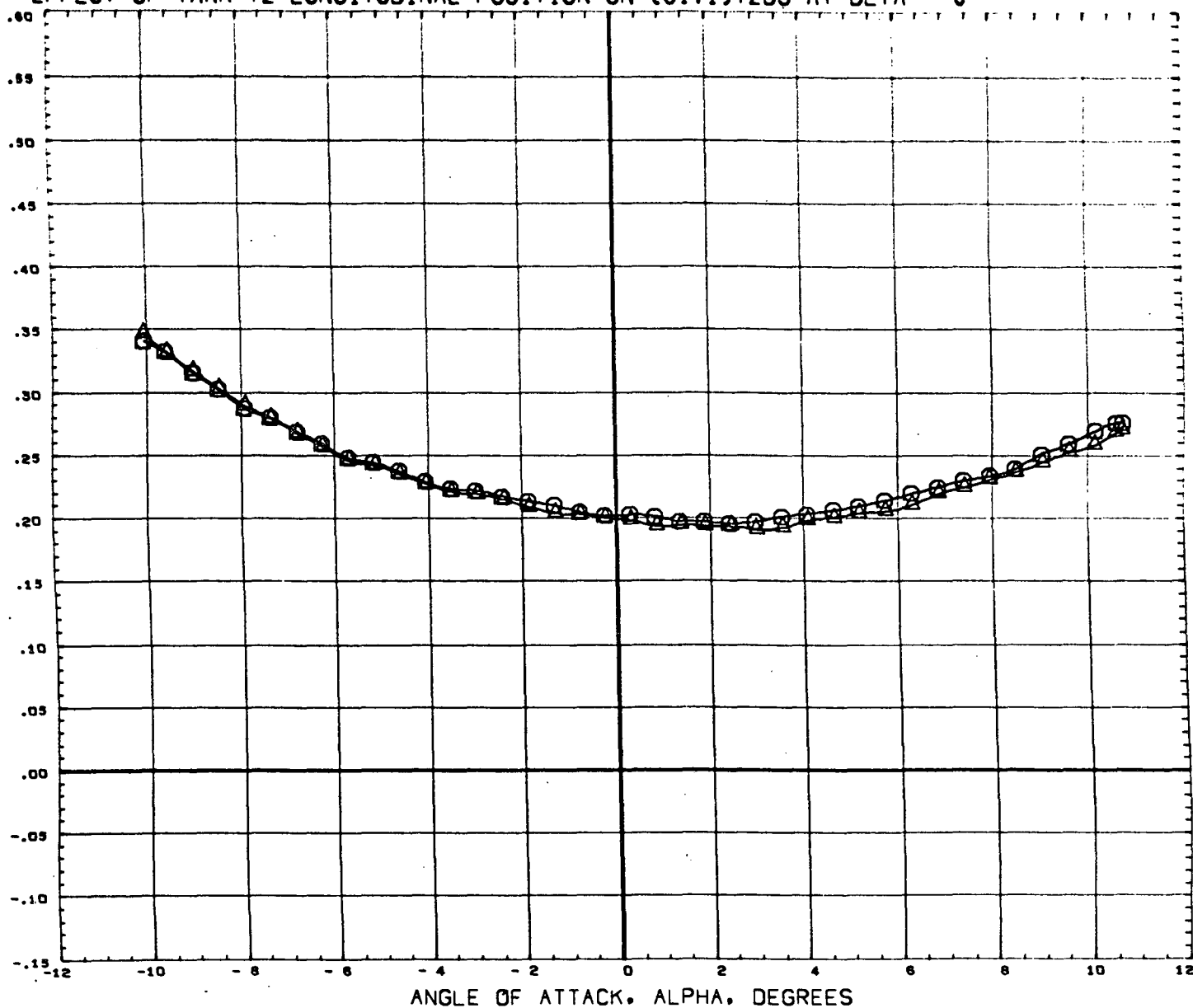
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMHP	557.0004 IN.
				YMHP	0.0000 IN.
				ZMHP	200.0004 IN.
				SCALE	0.0060 SCALE

MACH 1.51

PAGE 1021

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(C074B9)	MDAC S-222 COMPOSITE (T-CG) (01V1) T2B5
(D074E9)	MDAC S-222 COMPOSITE (T-CG) (01V1) T2AB5

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRF	557.0004	IN.
YMRF	0.0000	IN.
ZMRF	200.0004	IN.
SCALE	0.0060	SCALE

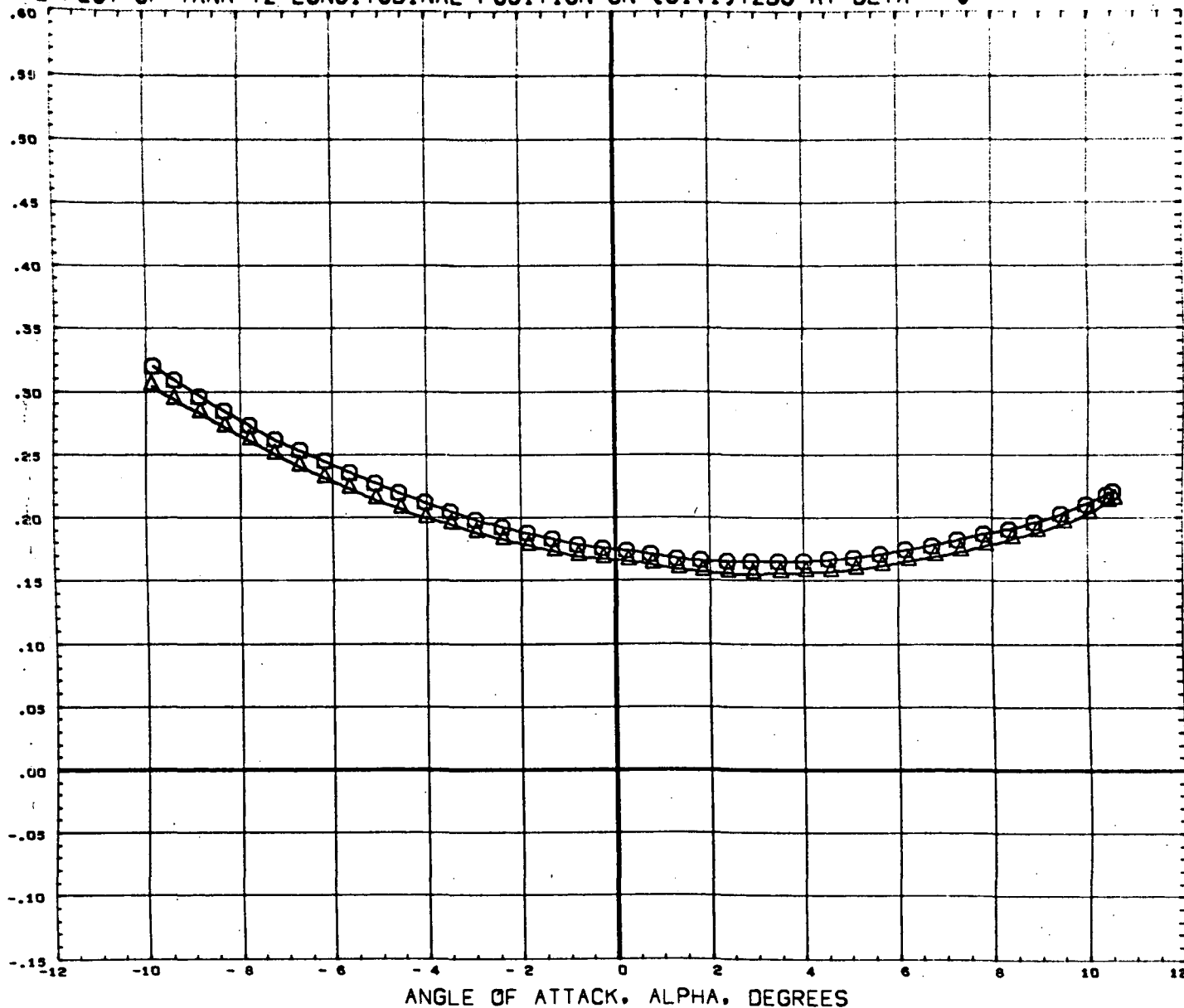
MACH 2.20

PAGE 1022



# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD74B9) (01V1)T2B5  
 (DD74E9) (01V1)T2AB5

BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 0.000 0.000 0.000 0.000

REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060 SCALE

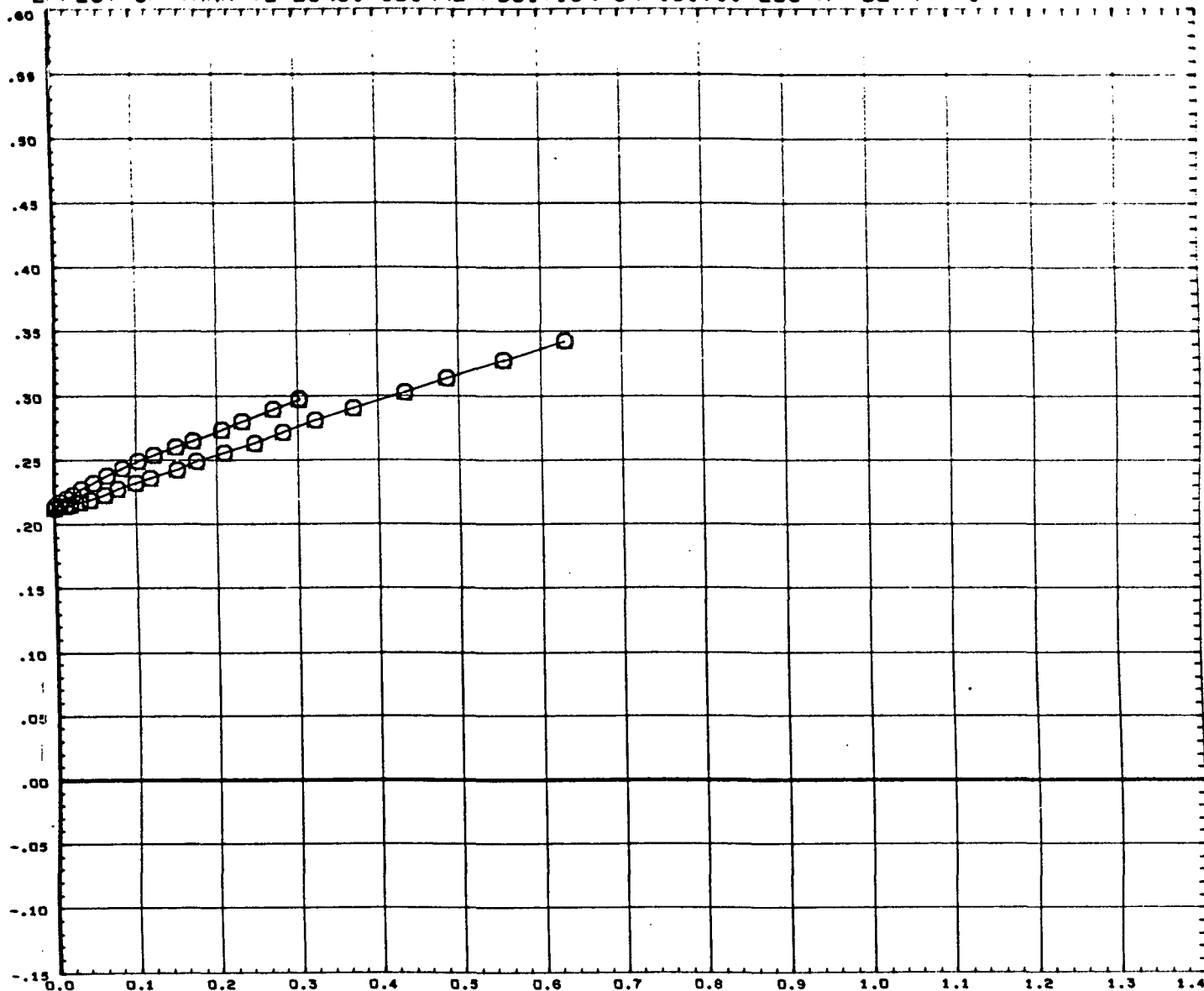
MACH

4.47



PAGE 1023

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T285 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQ

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (C074E9)  MDAC S-222 COMPOSITE(T-CG) (01V1)T285  
 (D074E9)  DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE

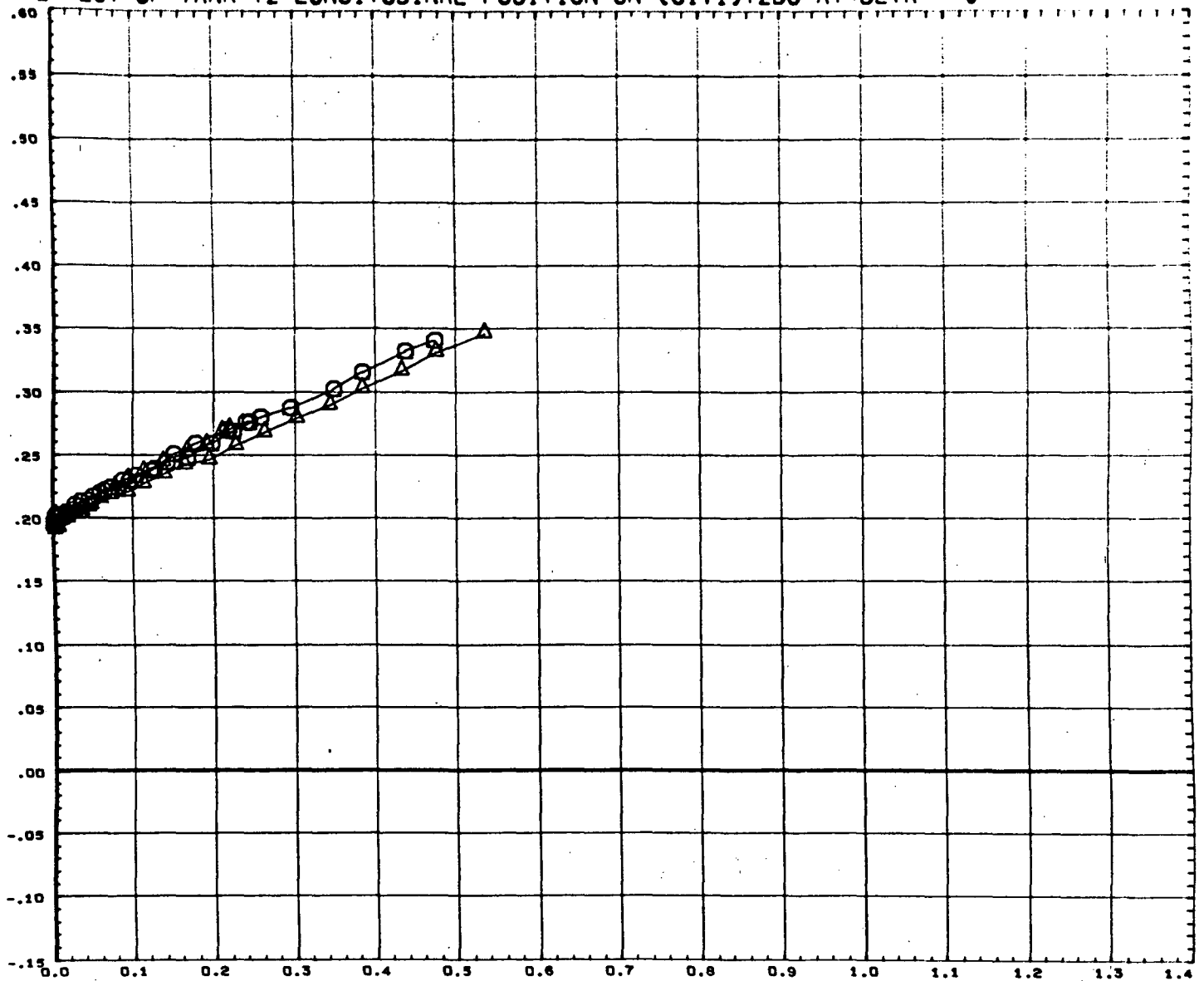
MACH

1.51

PAGE 1024

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



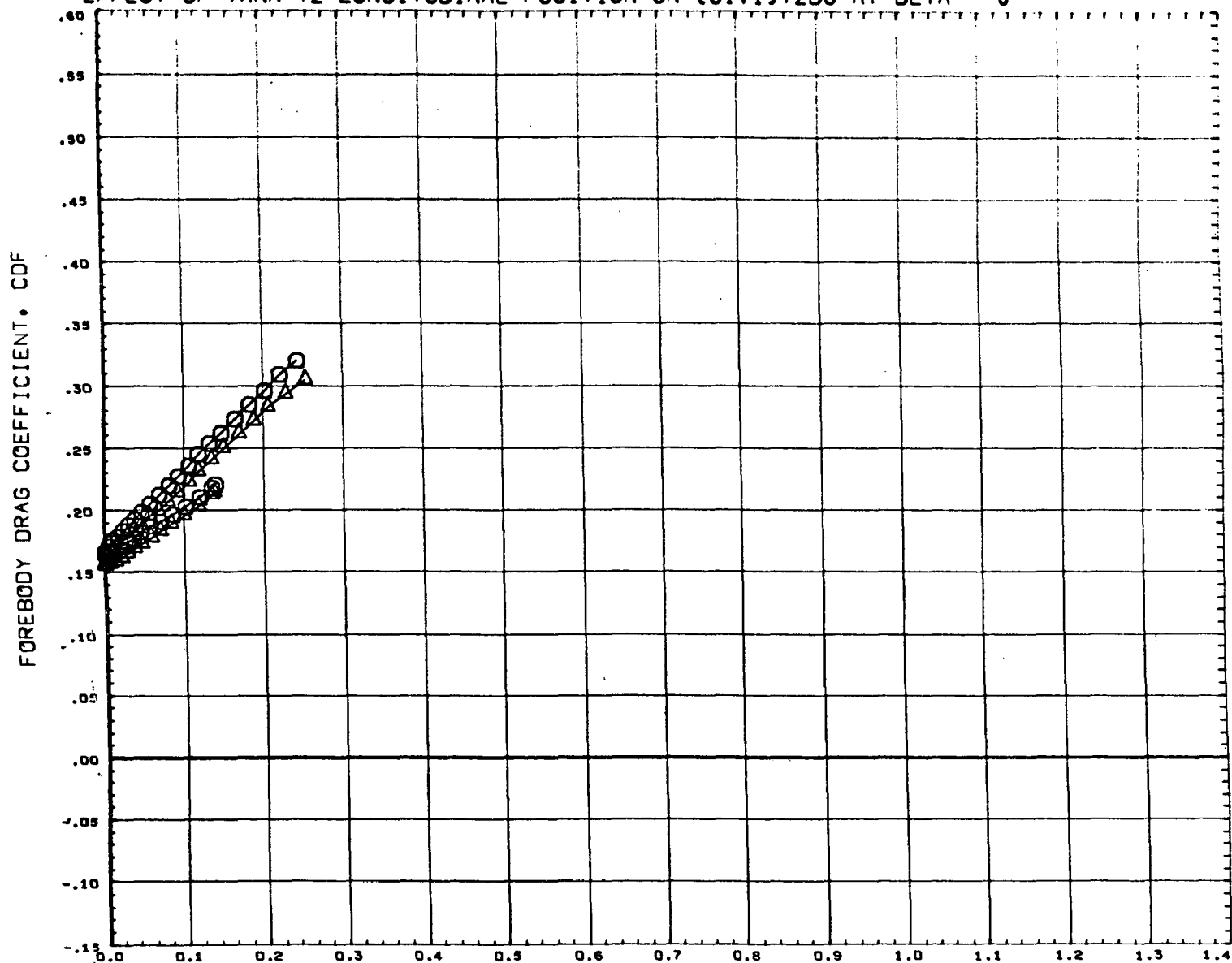
LIFT COEFFICIENT SQUARED, CLSQR

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7489)	MDAC S-222 COMPOSITE(T-CG) (01V1)T2B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD74E9)	MDAC S-222 COMPOSITE(T-CG) (01V1)T2AB5	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060 SCALE

MACH 2.20

PAGE 1025

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD74B9)	MDAC S-222 COMPOSITE (T-CG) (01V1) T2B5
(DD74E9)	MDAC S-222 COMPOSITE (T-CG) (01V1) T2AB5

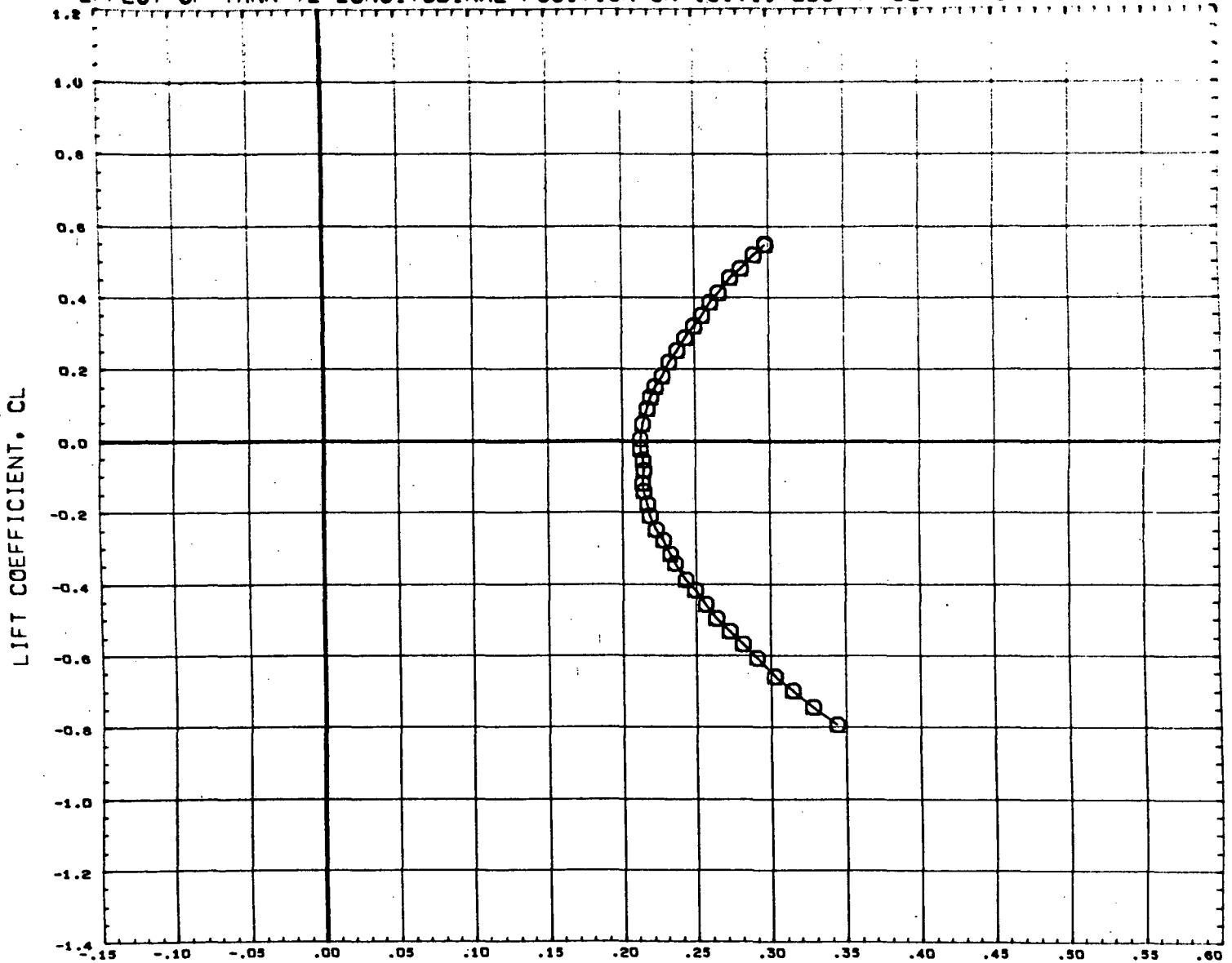
BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE

MACH 4.47

PAGE 1026

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0



FOREBODY DRAG COEFFICIENT, CDF

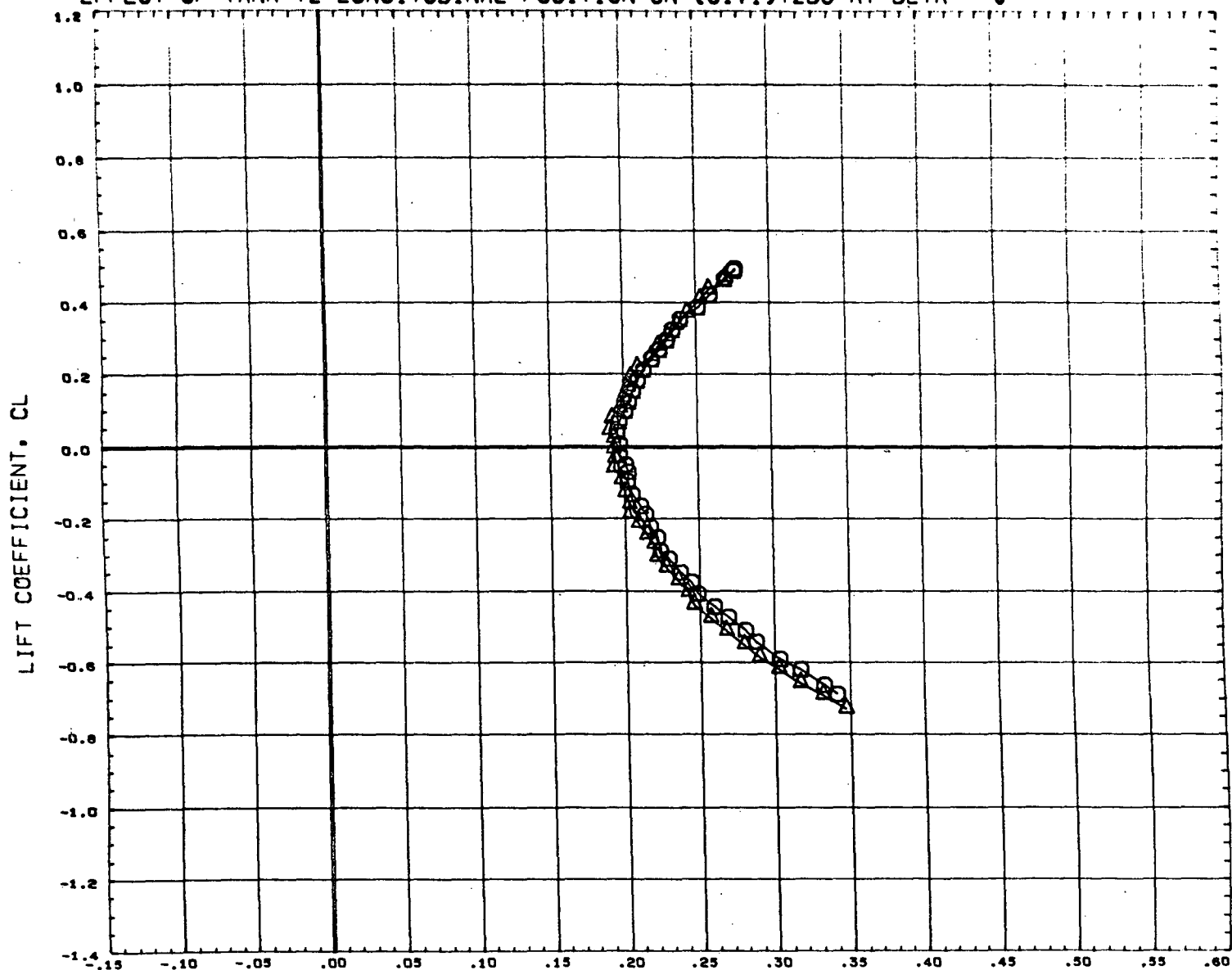
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD74B9) MDAC S-222 COMPOSITE(T-CG) (01V1)T2B5  
 (DD74E9) DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060 SCALE

MACH 1.51

PAGE 1027

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7489) MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5  
 (DD74E9) MDAC S-222 COMPOSITE (T-CG) (01V1)T2AB5

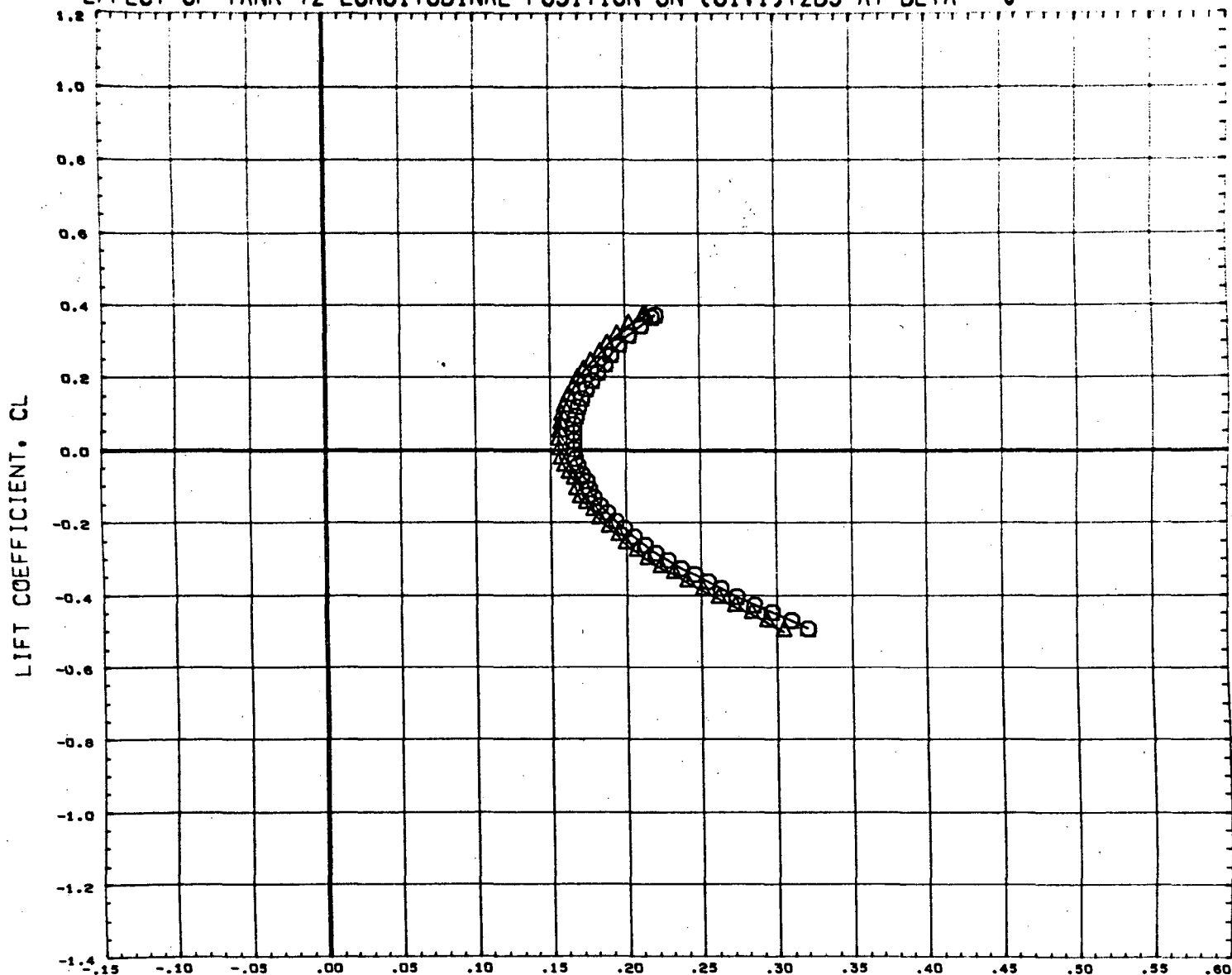
BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 0.000 0.000 0.000 0.000

REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060 SCALE

MACH 2.20

PAGE 1028

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0



FOREBODY DRAG COEFFICIENT, CDF

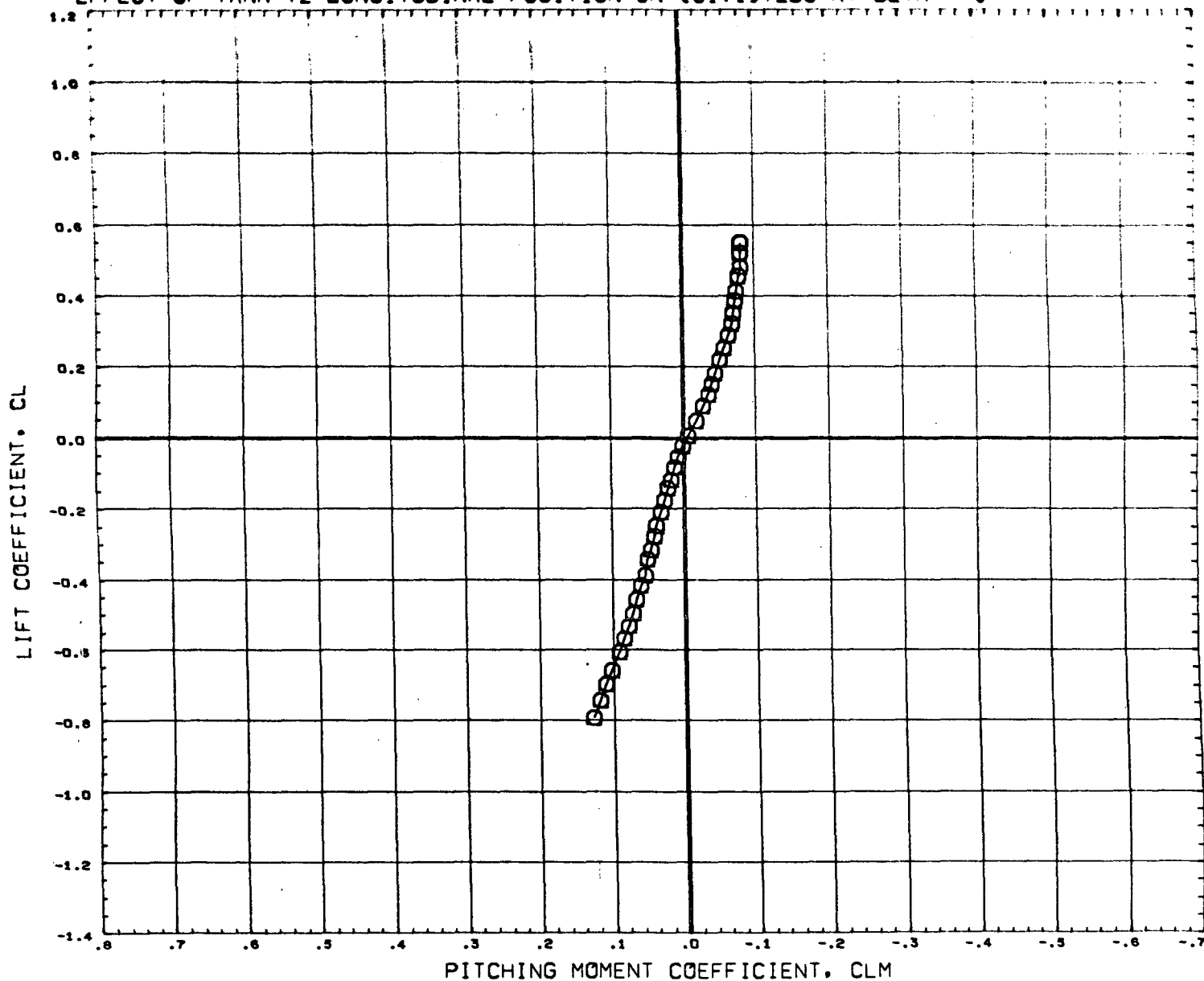
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD74B9)	MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5
(DD74E9)	MDAC S-222 COMPOSITE (T-CG) (01V1)T2AB5

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060 SCALE

MACH 4.47

PAGE 1029

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD74B9) Q MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5  
 (DD74E9) A DATA NOT AVAILABLE FOR ALL CONDITIONS

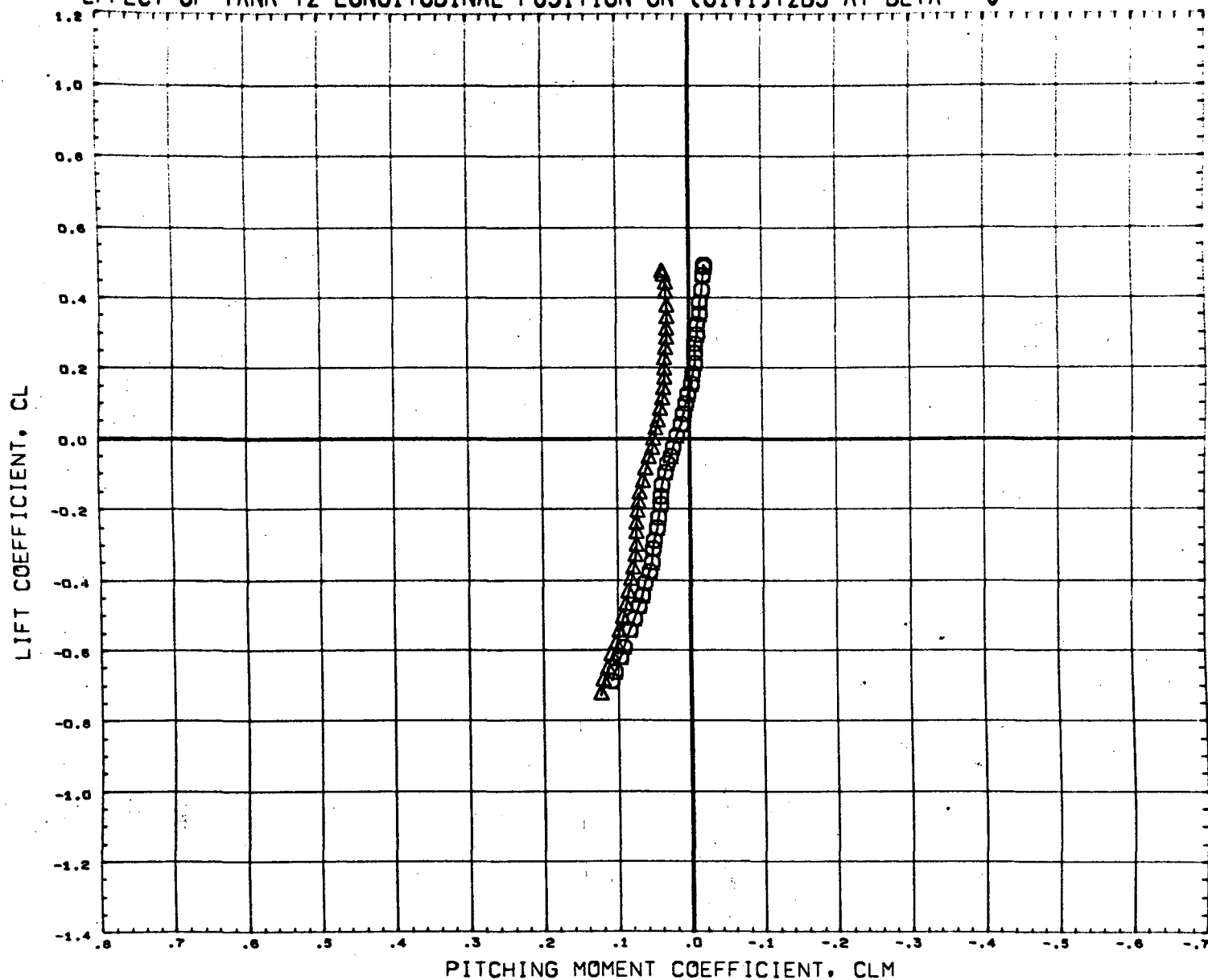
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060 SCALE

MACH 1.51

PAGE 1030



# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (O1V1)T2B5 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD74B9) MDAC S-222 COMPOSITE (T-CG) (O1V1) T2B5  
 (DD74E9) MDAC S-222 COMPOSITE (T-CG) (O1V1) T2AB5

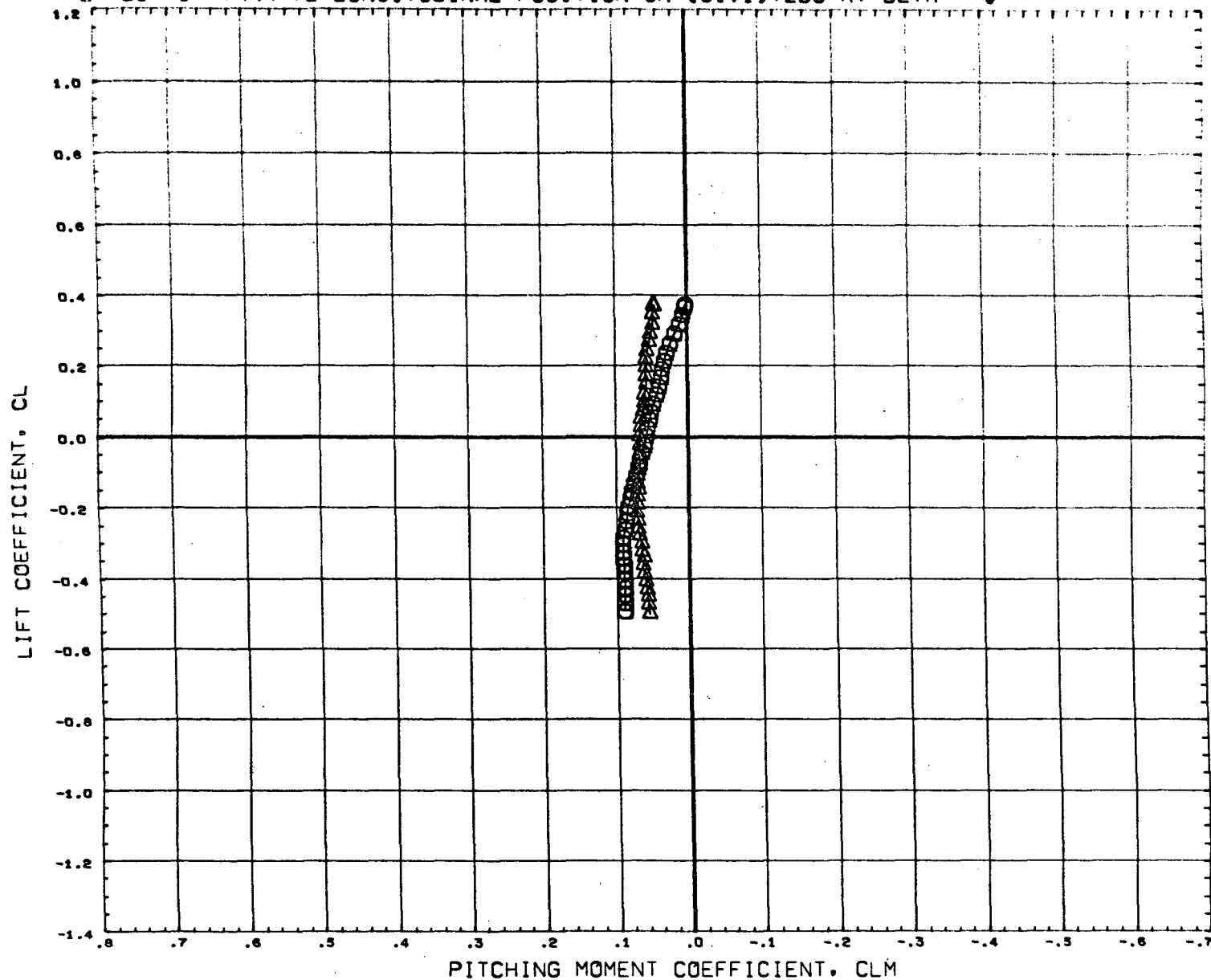
BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 0.000 0.000 0.000 0.000

REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060 SCALE

MACH 2.20

PAGE 1031

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0



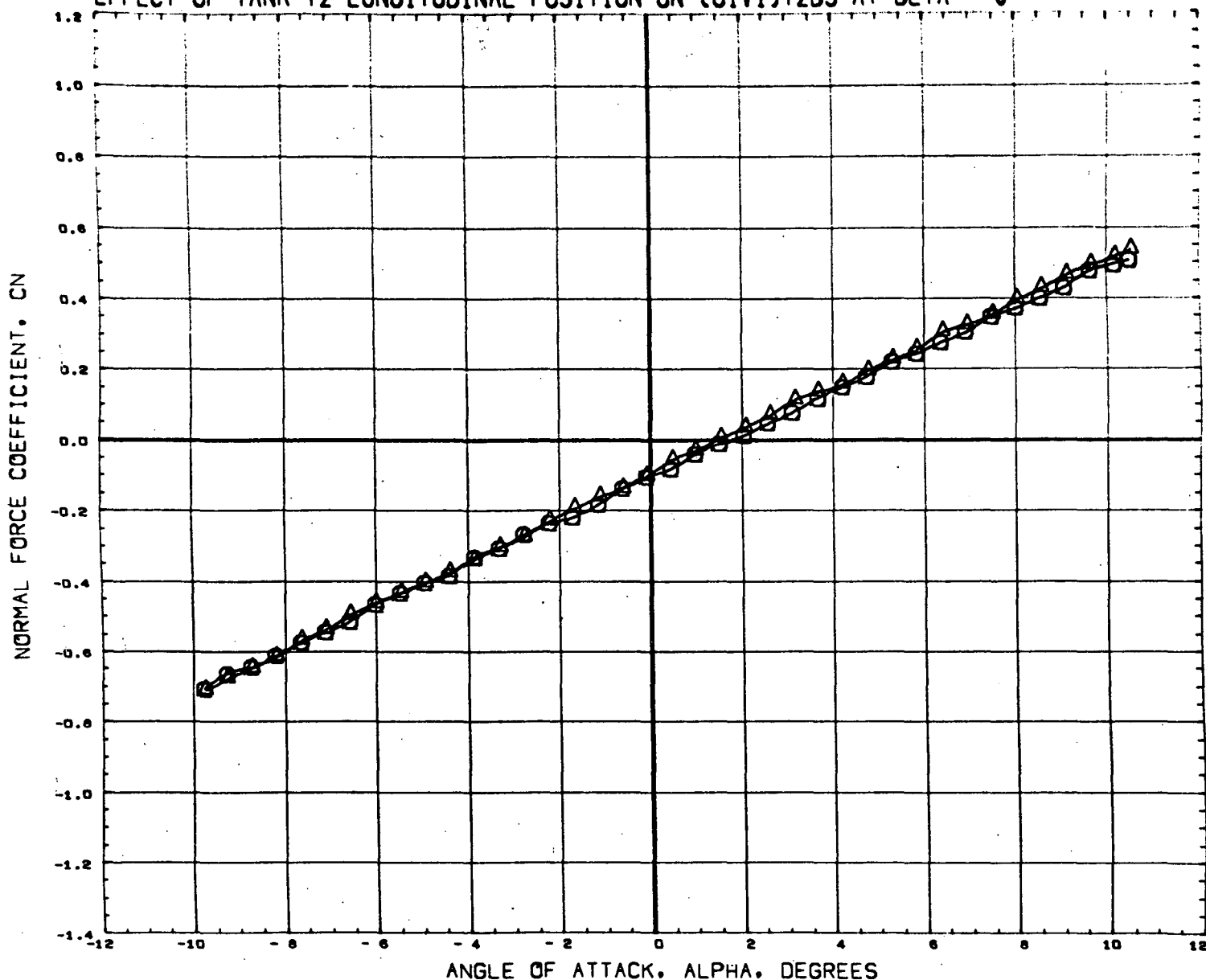
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD74B9)	MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5	0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(DD74E9)	MDAC S-222 COMPOSITE (T-CG) (01V1)T2AB5	0.000	0.000	0.000	0.000	LREF	609.5004	IN.
						BREF	882.0004	IN.
						XMHP	557.0004	IN.
						YMHP	0.0000	IN.
						ZMHP	200.0004	IN.
						SCALE	0.0060	SCALE

MACH

4.47

PAGE 1032

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (O1V1)T2B5 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7460)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T2B5
(CD7462)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T2A85

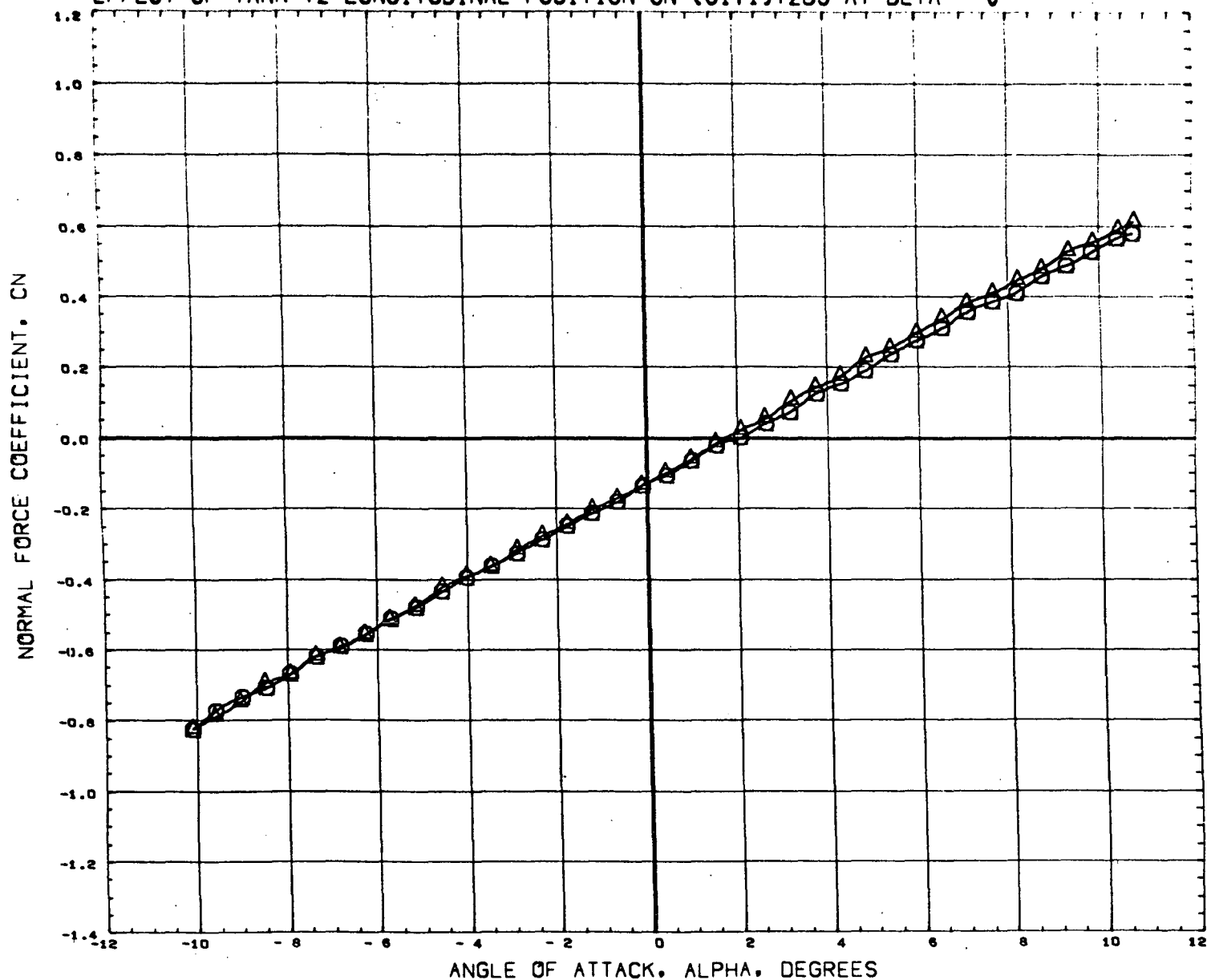
BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000



REFERENCE INFORMATION	
SREF	3155.3040 SQ.FT.
LREF	609.5004 IN.
BREF	882.0004 IN.
XMRP	557.0004 IN.
YMRP	0.0000 IN.
ZMRP	200.0004 IN.
SCALE	0.0060

MACH .59

PAGE 1033

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (O1V1)T2B5 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7460) 	MDAC S-222 COMPOSITE (T-CG) (O1V1) T2B5
(CD7462) 	MDAC S-222 COMPOSITE (T-CG) (O1V1) T2AB5

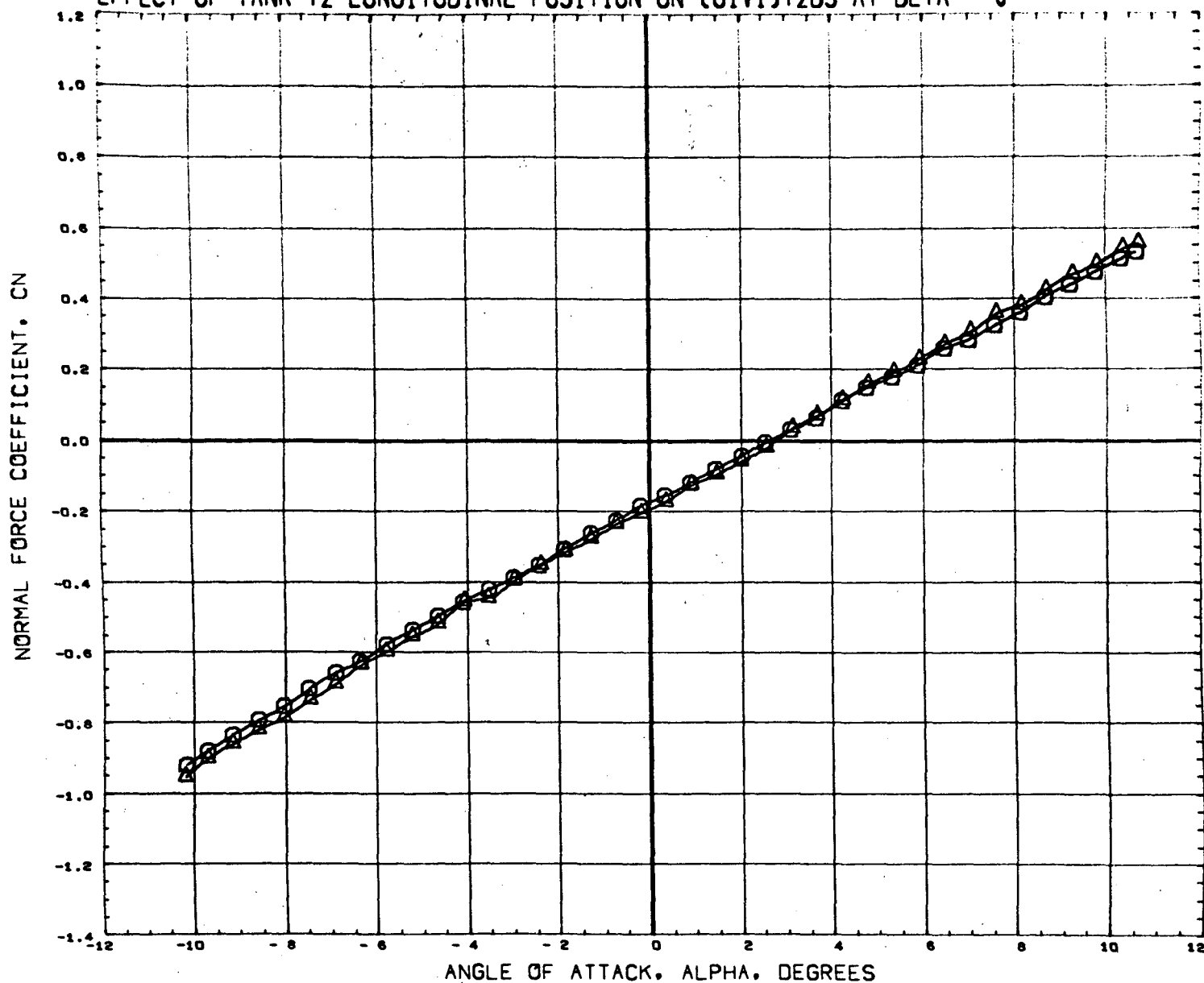
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH

.91

PAGE 1034

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0



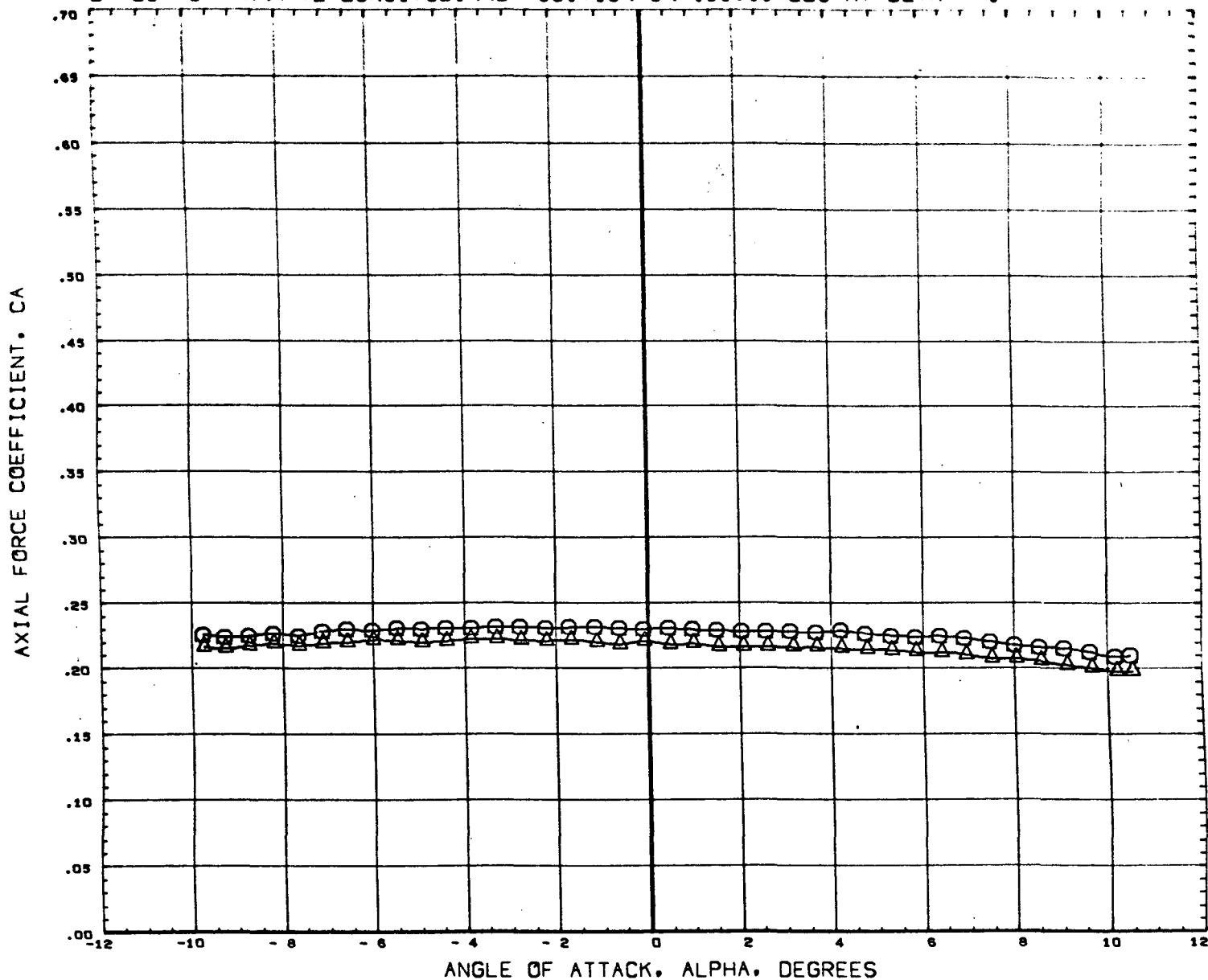
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7460) MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5  
 (CD7462) MDAC S-222 COMPOSITE (T-CG) (01V1)T2AB5

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.09

PAGE 1035

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0



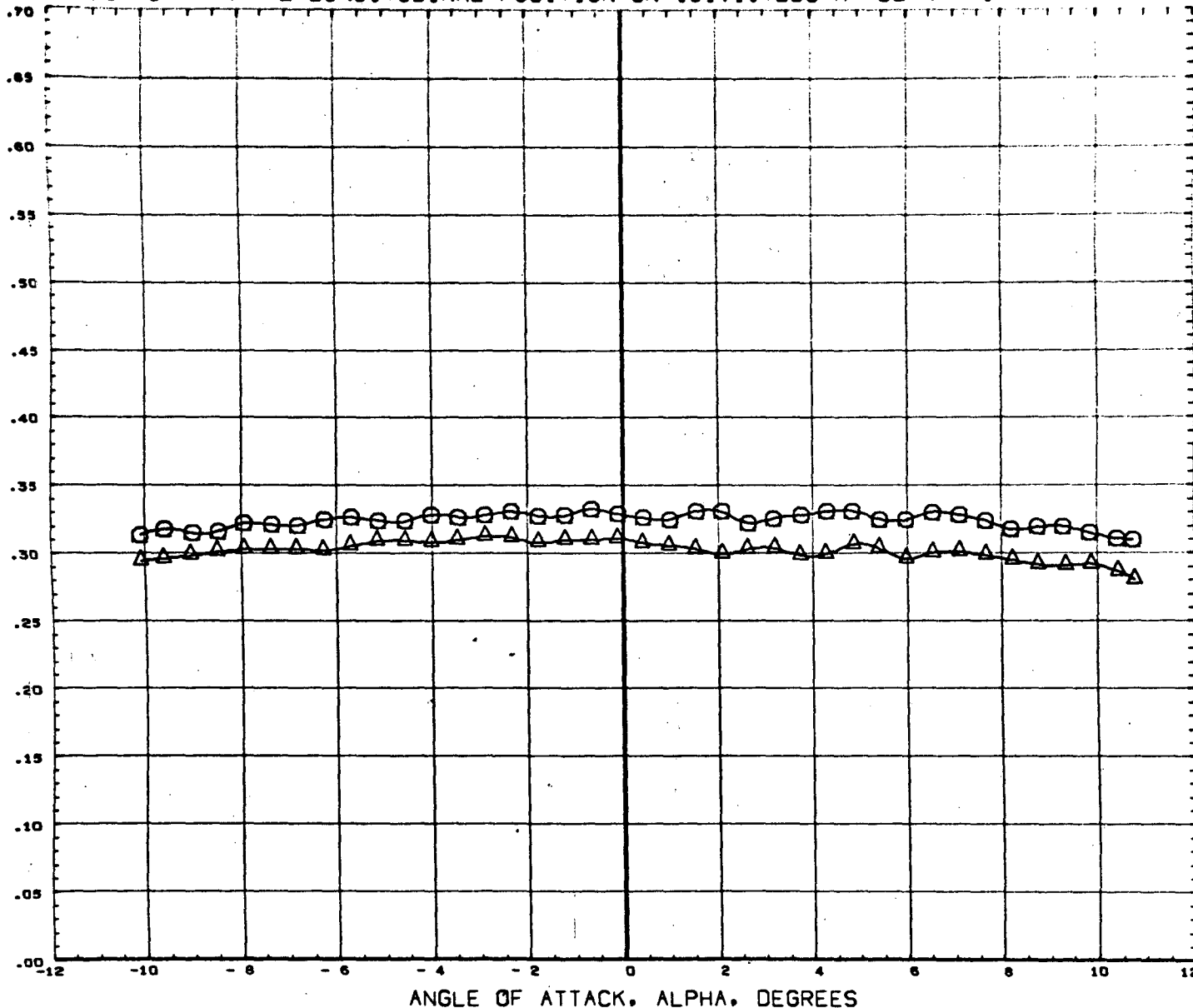
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7460)	MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7462)	MDAC S-222 COMPOSITE (T-CG) (01V1)T2AB5	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH .59

PAGE 1036

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (O1V1)T2B5 AT BETA = 0

AXIAL FORCE COEFFICIENT, CA



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7460)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T2B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7462)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T2AB5	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

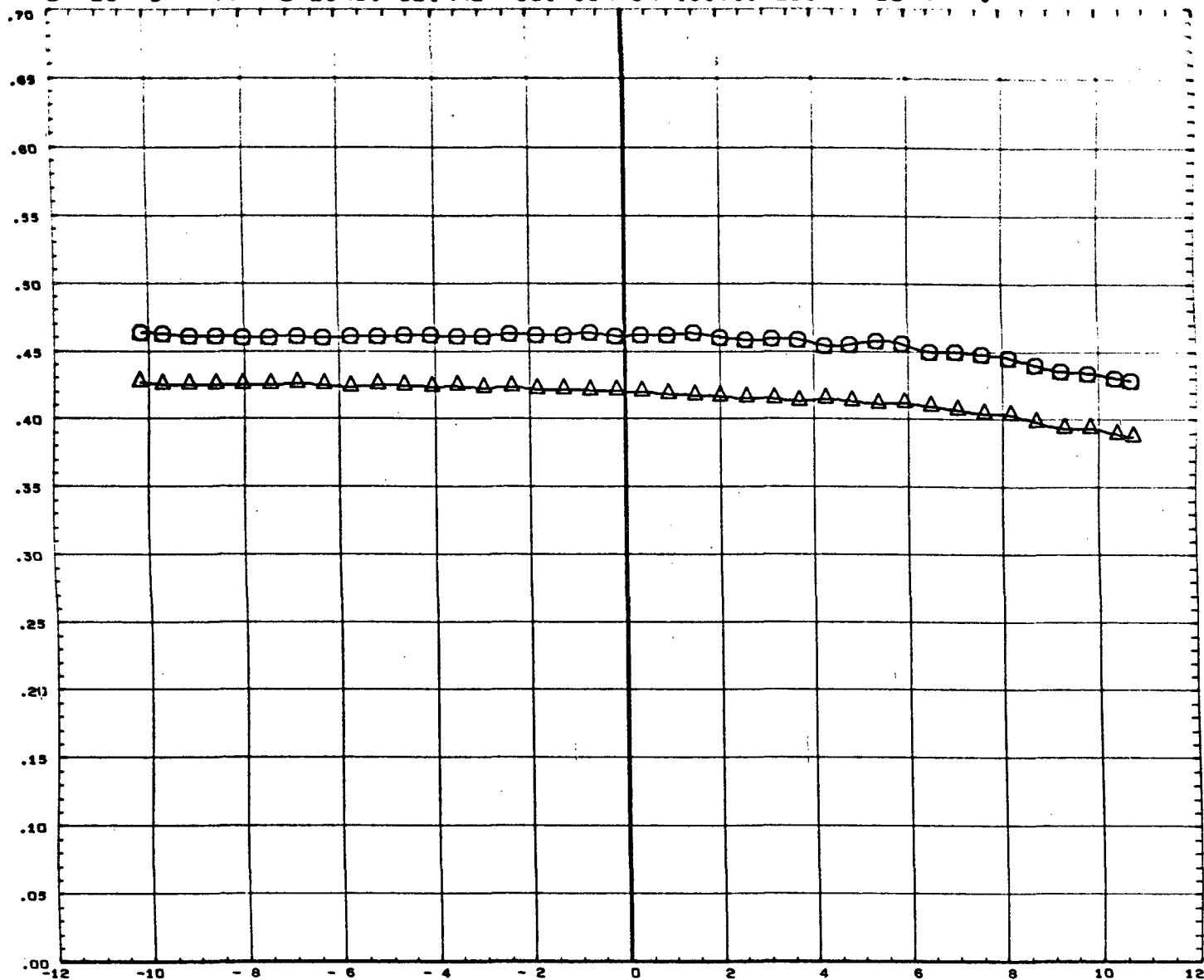
MACH

.91

PAGE 1037

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0

AXIAL FORCE COEFFICIENT, CA



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7460) MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5  
 (CD7462) MDAC S-222 COMPOSITE (T-CG) (01V1)T2A25

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

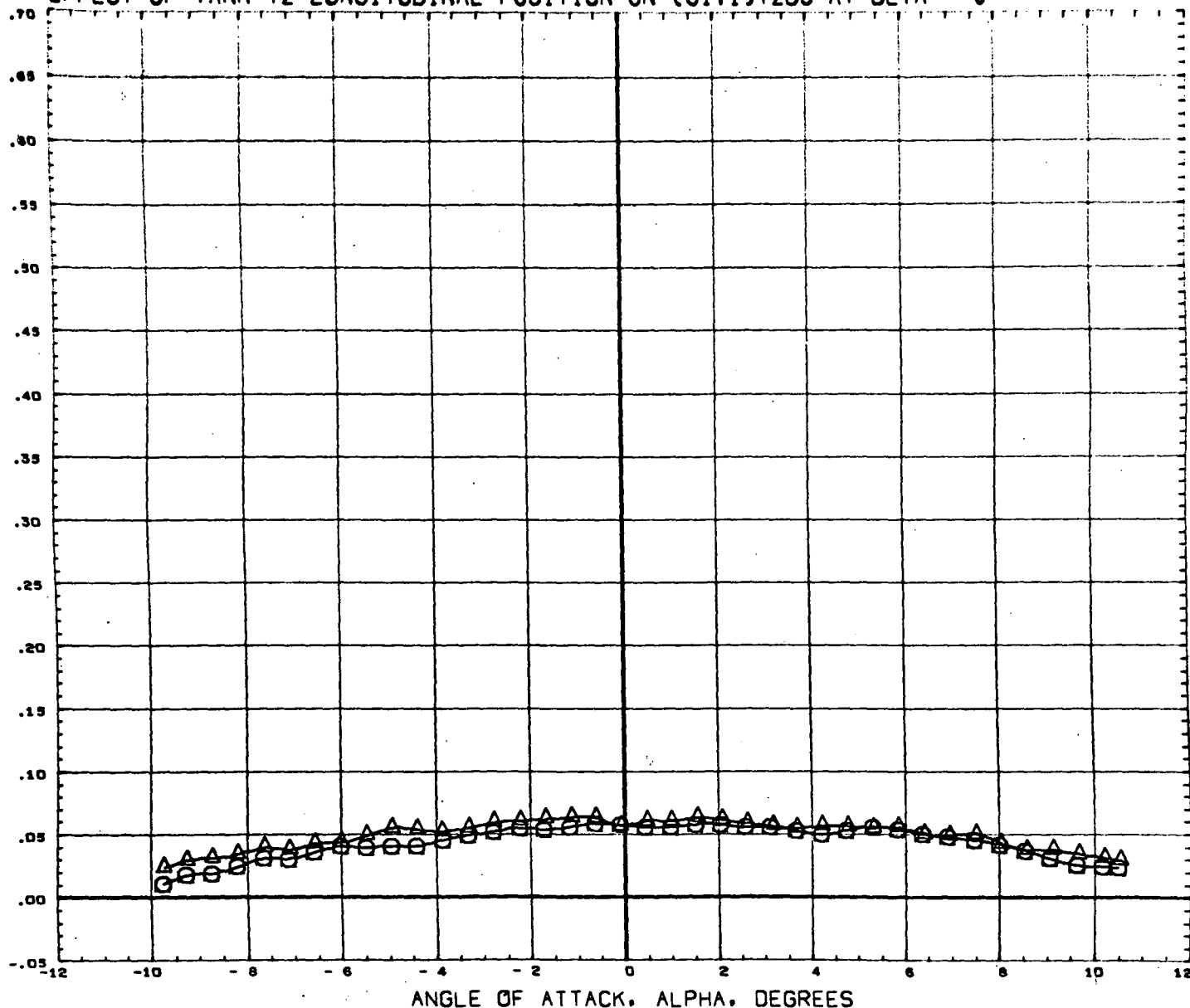
MACH 1.09

PAGE 1038



# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF

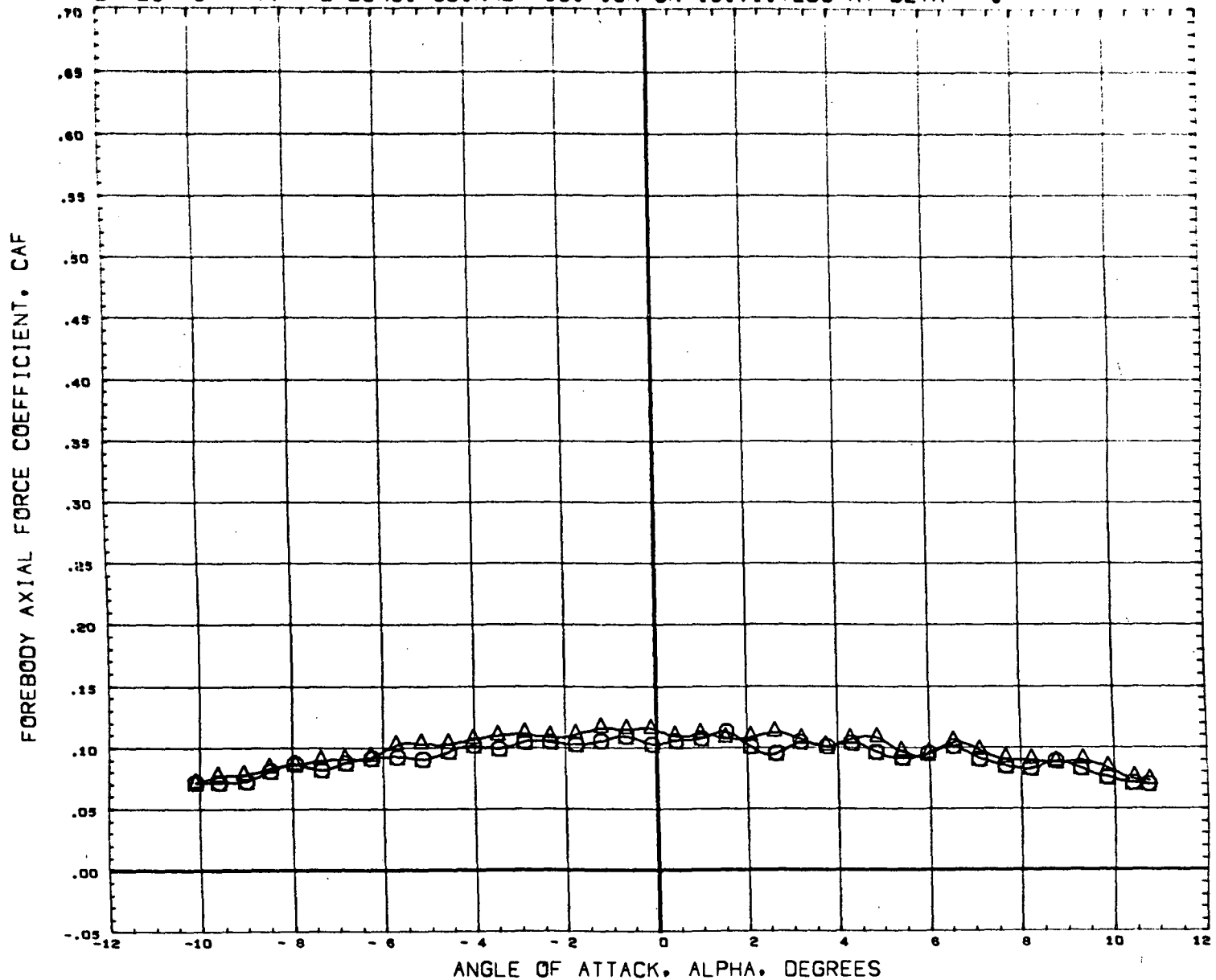


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7460)	MDAC S-222 COMPOSITE (T-CG) (01V1) T2B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7462)	MDAC S-222 COMPOSITE (T-CG) (01V1) T2A85	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .59

PAGE 1039

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0



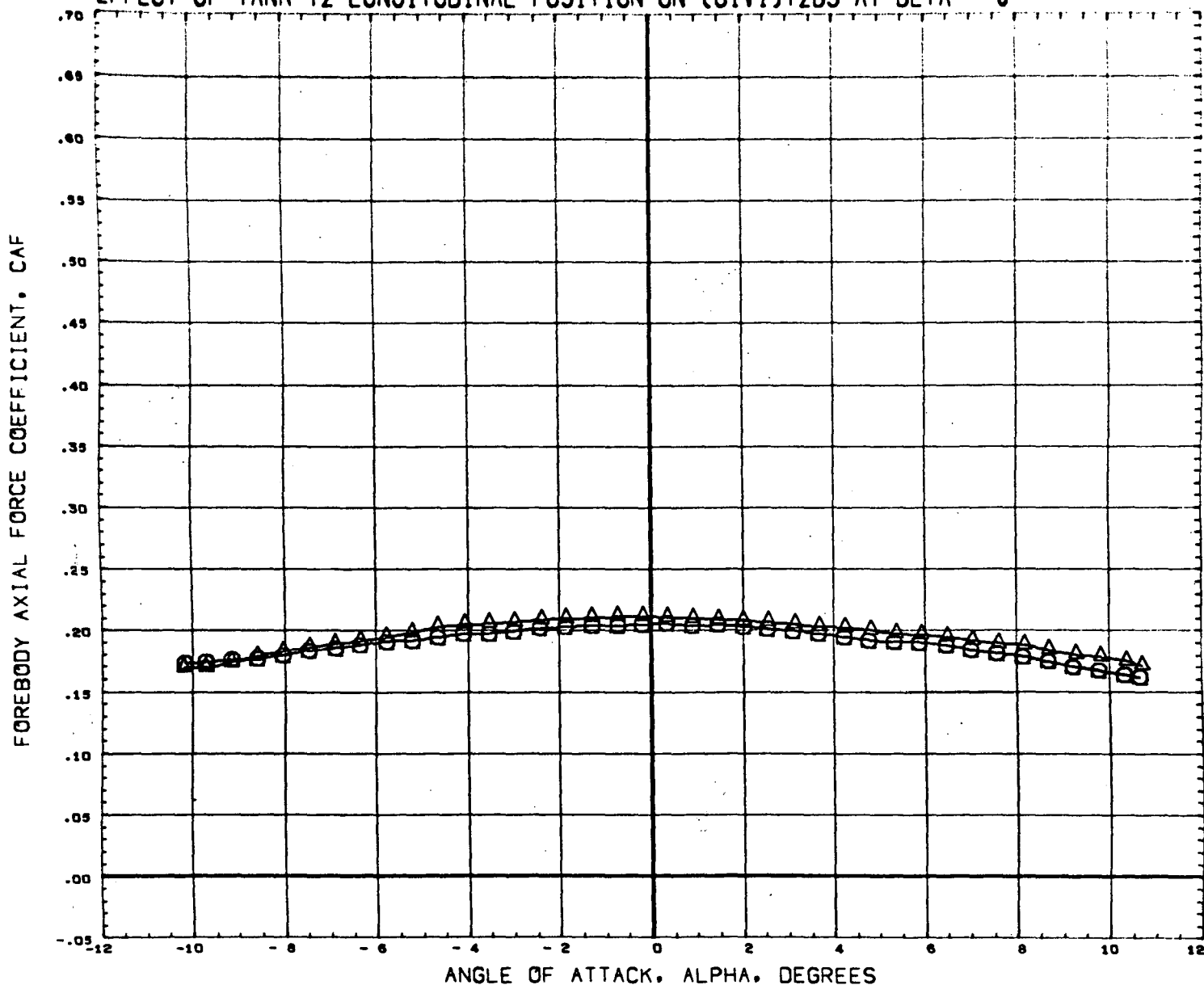
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7460)	MDAC S-222 COMPOSITE (T-CG) (01V1) T2B5
(CD7462)	MDAC S-222 COMPOSITE (T-CG) (01V1) T2AB5

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .91

PAGE 1040

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0

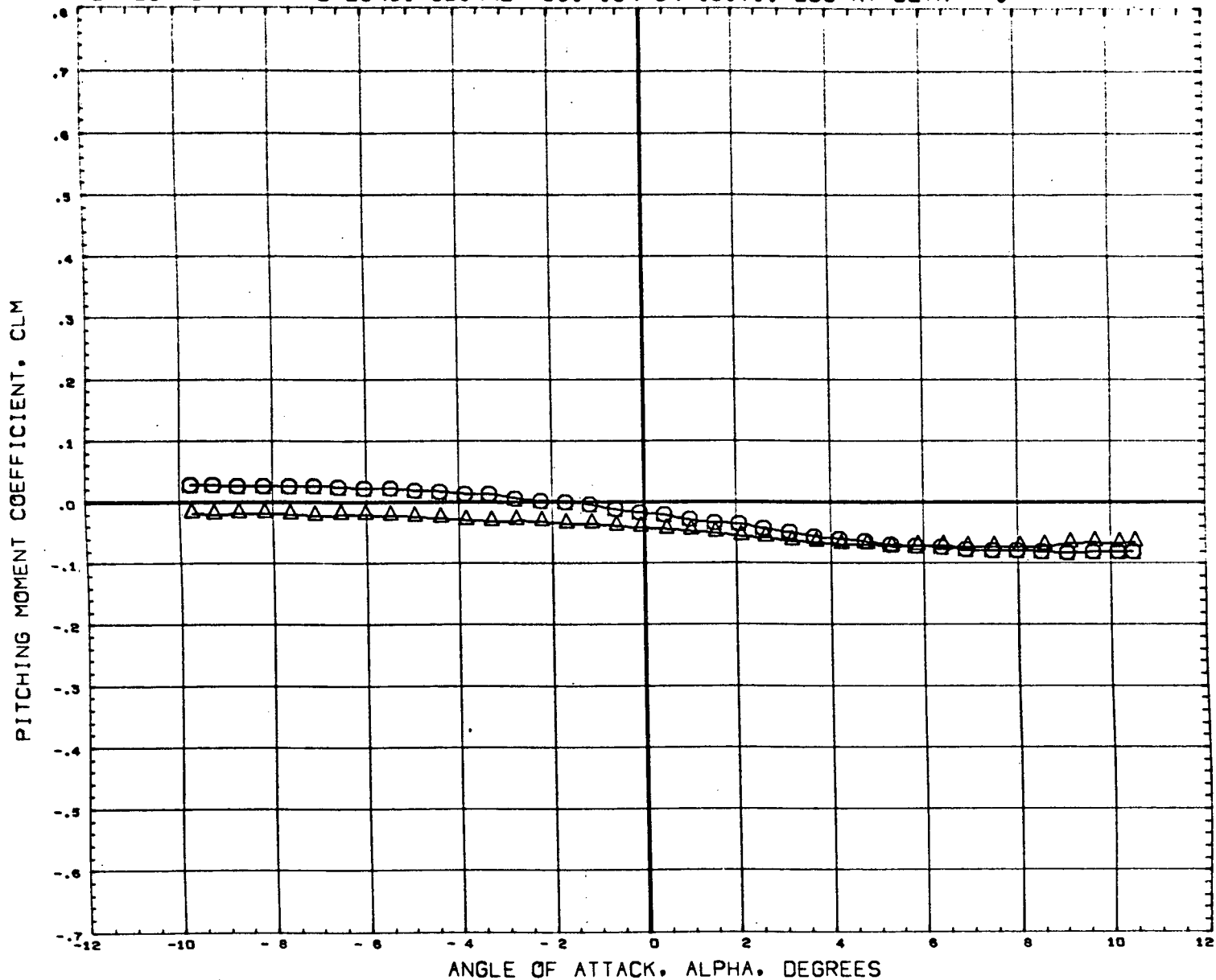


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7460)	MDAC S-222 COMPOSITE (T-CG) (01V1) T2B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7462)	MDAC S-222 COMPOSITE (T-CG) (01V1) T2AB5	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

PAGE 1041

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7460) MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5  
 (CD7462) MDAC S-222 COMPOSITE (T-CG) (01V1)T2AB5

BETA ELEVTR AILRON RUDDER  
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 0.000 0.000 0.000 0.000

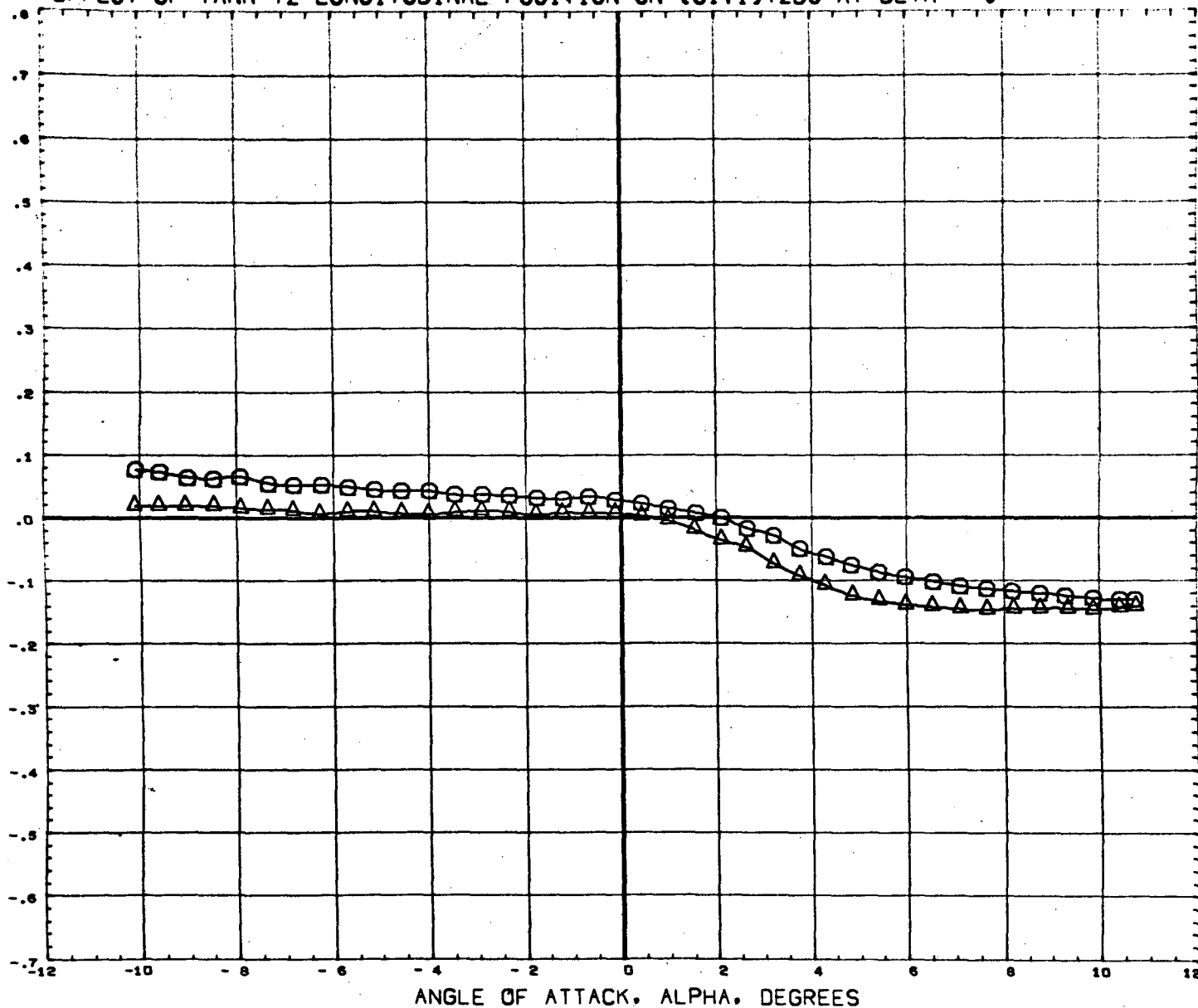
REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH .59

PAGE 1042

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0

PITCHING MOMENT COEFFICIENT, CLM



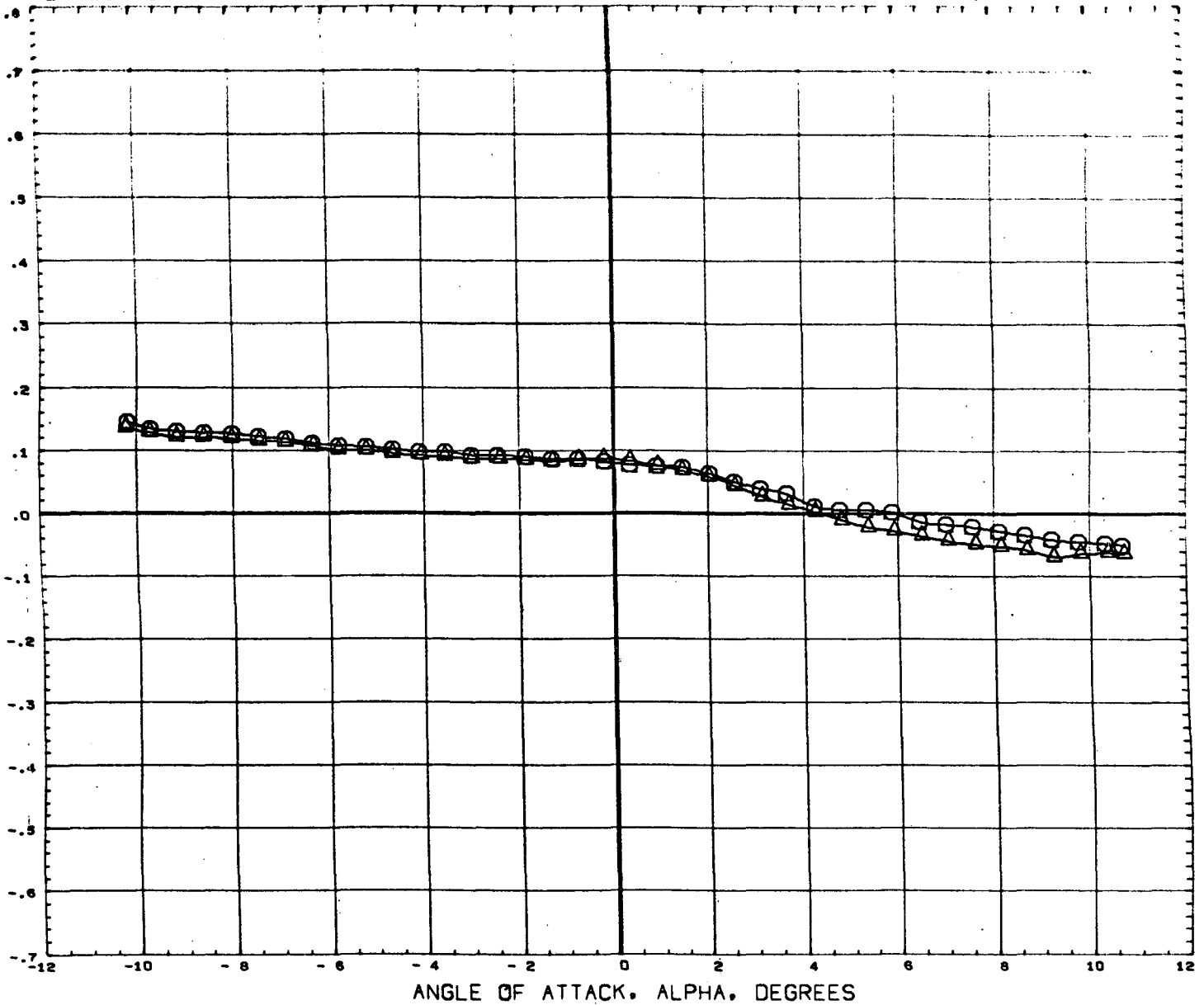
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7460)	MDAC S-222 COMPOSITE (T-CG) (01V1) T2B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7462)	MDAC S-222 COMPOSITE (T-CG) (01V1) T2AB5	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .91

PAGE 1043

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (O1V1)T2B5 AT BETA = 0

PITCHING MOMENT COEFFICIENT, CLM



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(CD7460) MDAC S-222 COMPOSITE (T-CG) (O1V1)T2B5  
(CD7462) MDAC S-222 COMPOSITE (T-CG) (O1V1)T2AB5

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

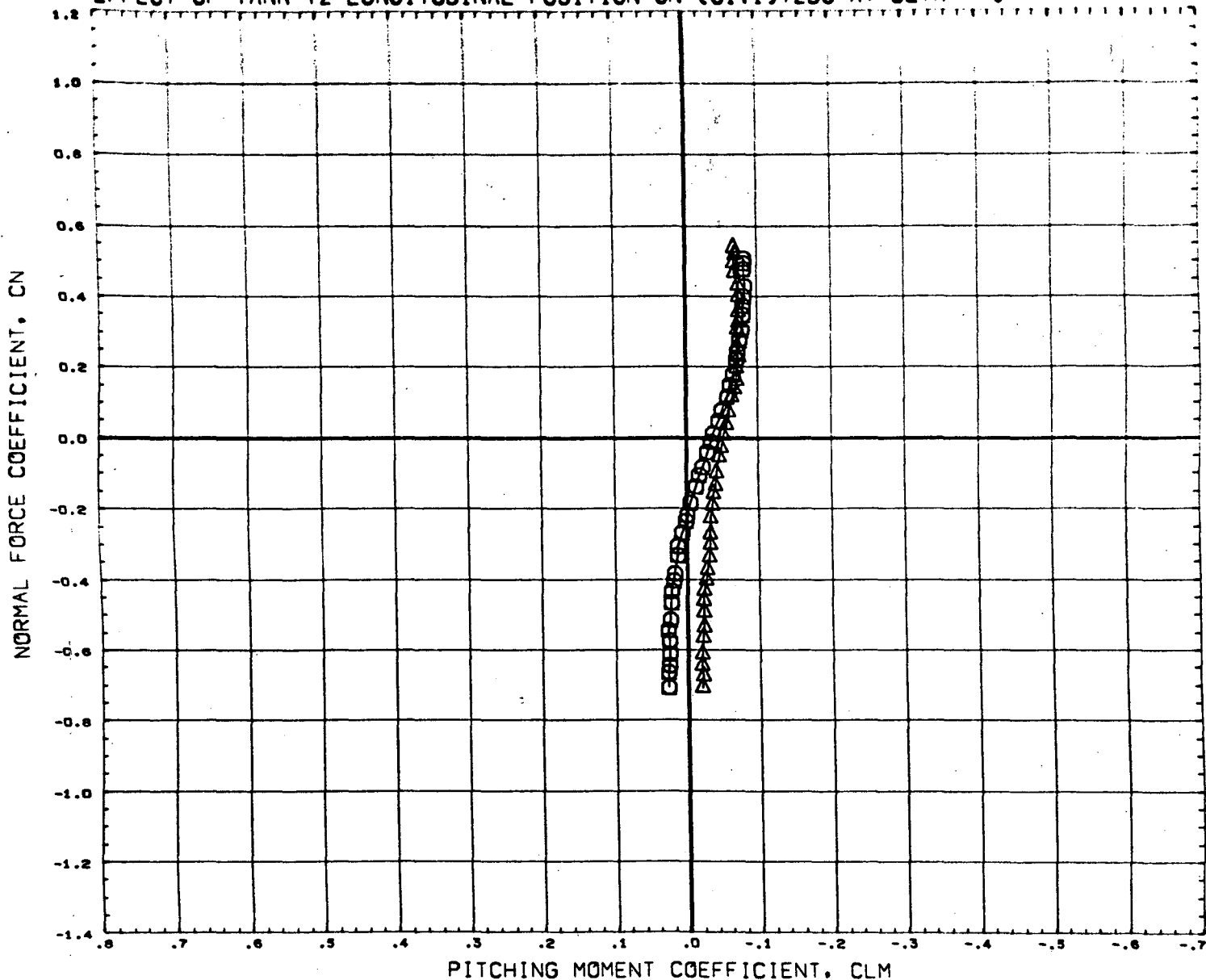
REFERENCE INFORMATION	
SREF	3155.3040 SQ.FT.
LREF	609.5004 IN.
BREF	882.0004 IN.
XMRP	557.0004 IN.
YMRP	0.0000 IN.
ZMRP	200.0004 IN.
SCALE	0.0060

MACH

1.09

PAGE 1044

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7460) MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5  
 (CD7462) MDAC S-222 COMPOSITE (T-CG) (01V1)T2AB5

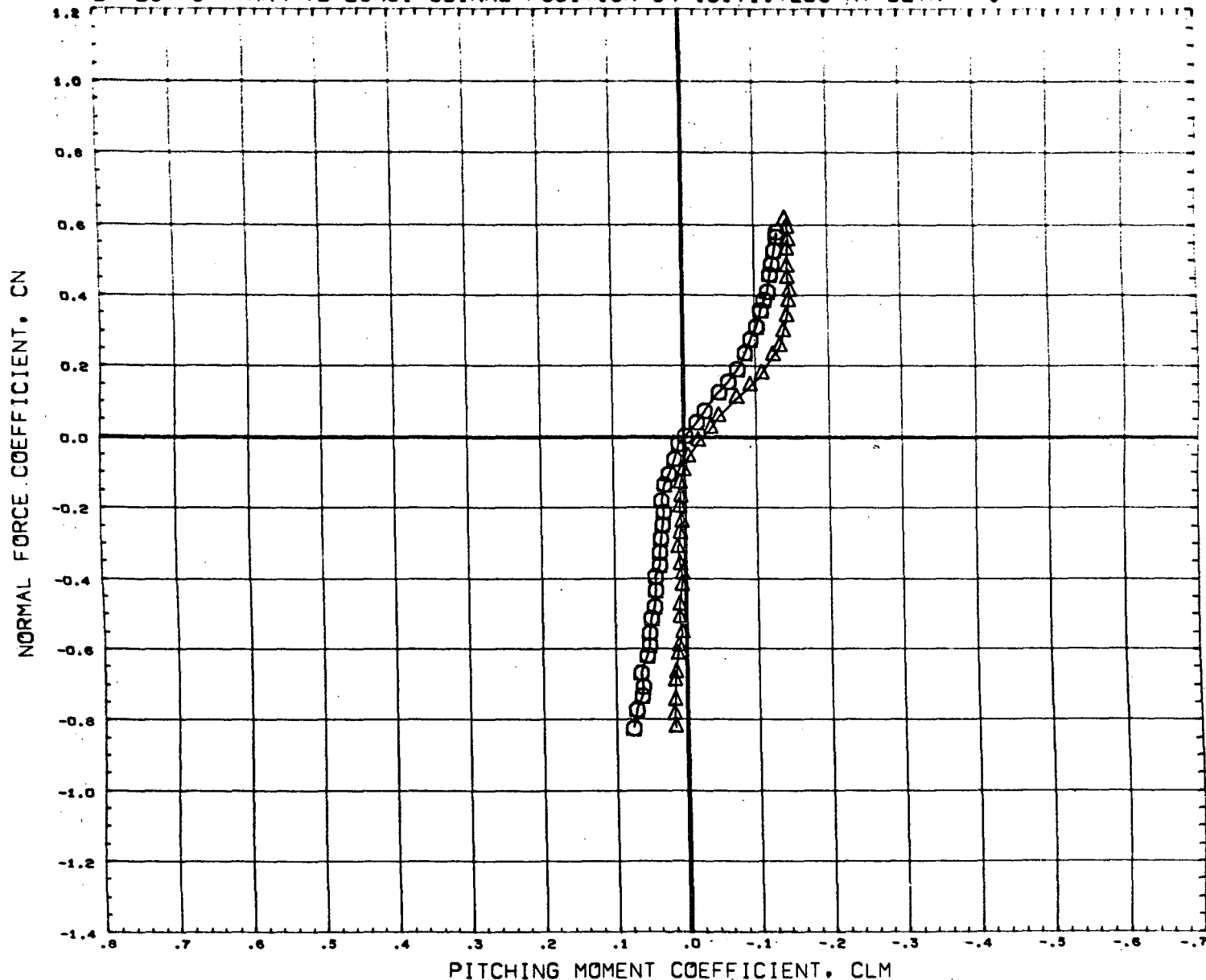
BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 0.000 0.000 0.000 0.000

REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

MACH .59

PAGE 1045

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (O1V1)T2B5 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7460) MDAC S-222 COMPOSITE (T-CG) (O1V1)T2B5  
 (CD7462) MDAC S-222 COMPOSITE (T-CG) (O1V1)T2AB5

BETA ELEVTR AILRON RUDDER  
 0.000 0.000 0.000 0.000  
 0.000 0.000 0.000 0.000

REFERENCE INFORMATION  
 SREF 3155.3040 SQ.FT.  
 LREF 609.5004 IN.  
 BREF 882.0004 IN.  
 XMRP 557.0004 IN.  
 YMRP 0.0000 IN.  
 ZMRP 200.0004 IN.  
 SCALE 0.0060

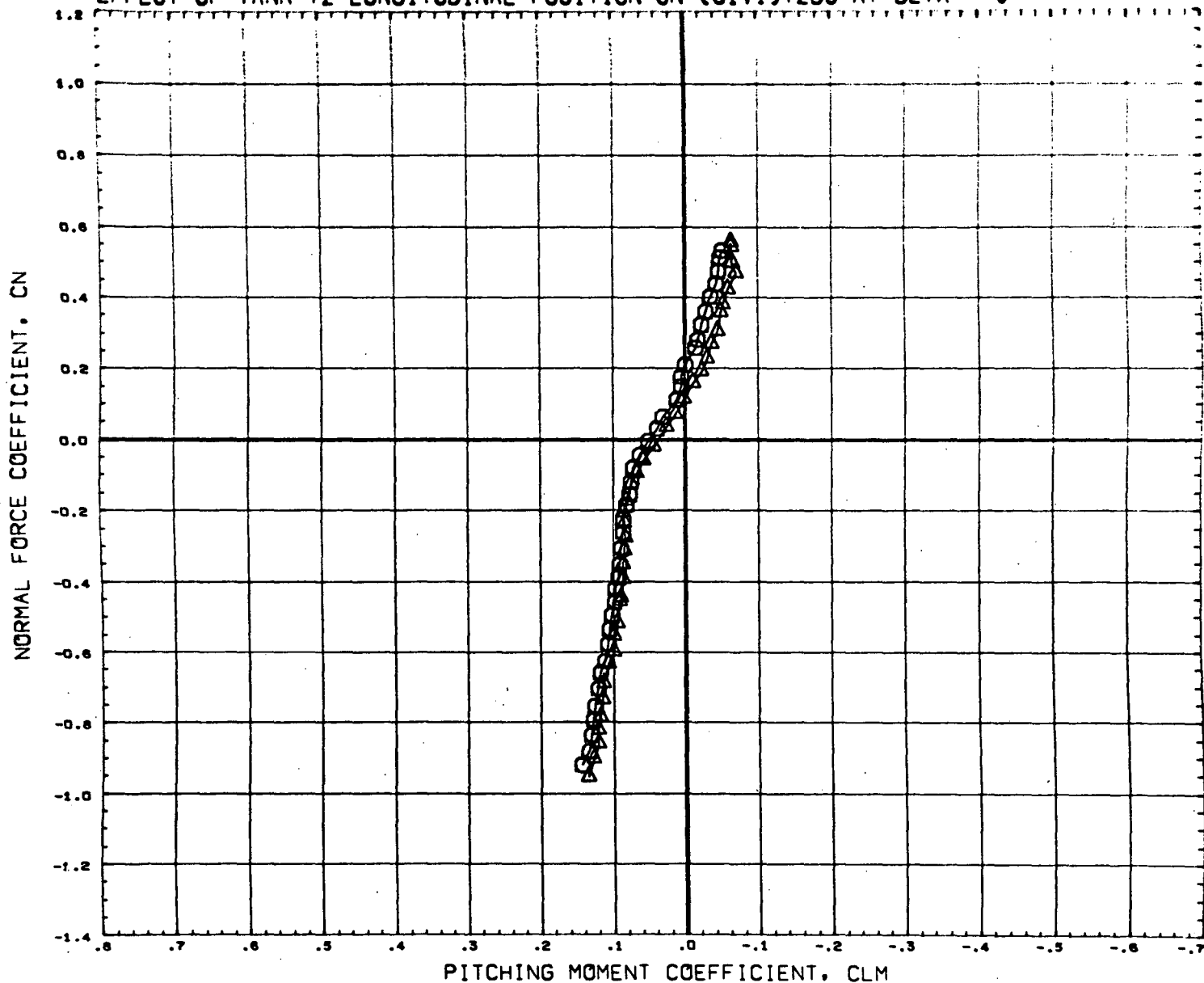
MACH

.91

PAGE 1046



# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0

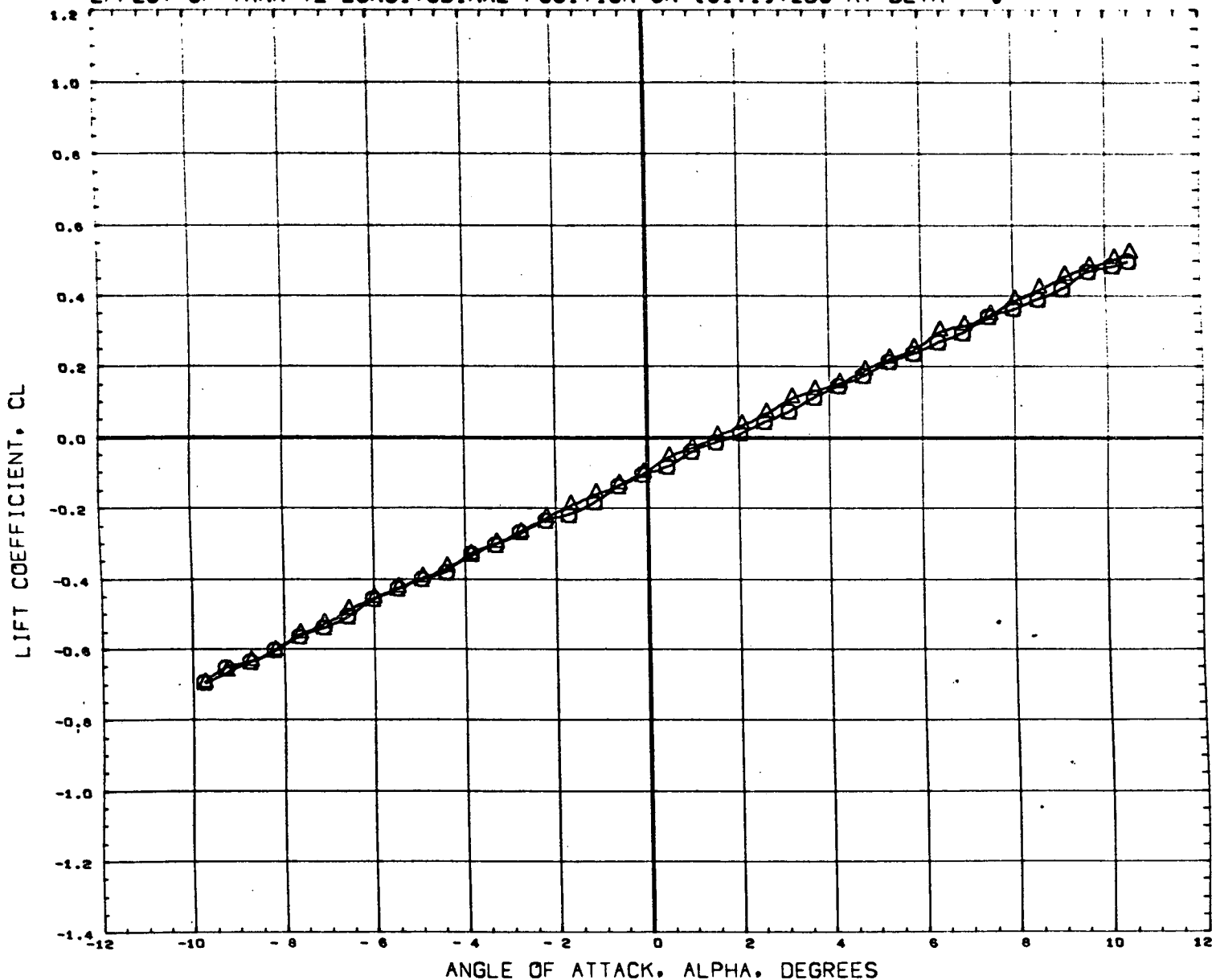


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7460)	MDAC S-222 COMPOSITE (T-CG) (01V1) T2B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7462)	MDAC S-222 COMPOSITE (T-CG) (01V1) T2AB5	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060



MACH 1.09

PAGE 1047

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (O1V1)T2B5 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7460)  MDAC S-222 COMPOSITE (T-CG) (O1V1) T2B5  
 (CD7462)  MDAC S-222 COMPOSITE (T-CG) (O1V1) T2A85

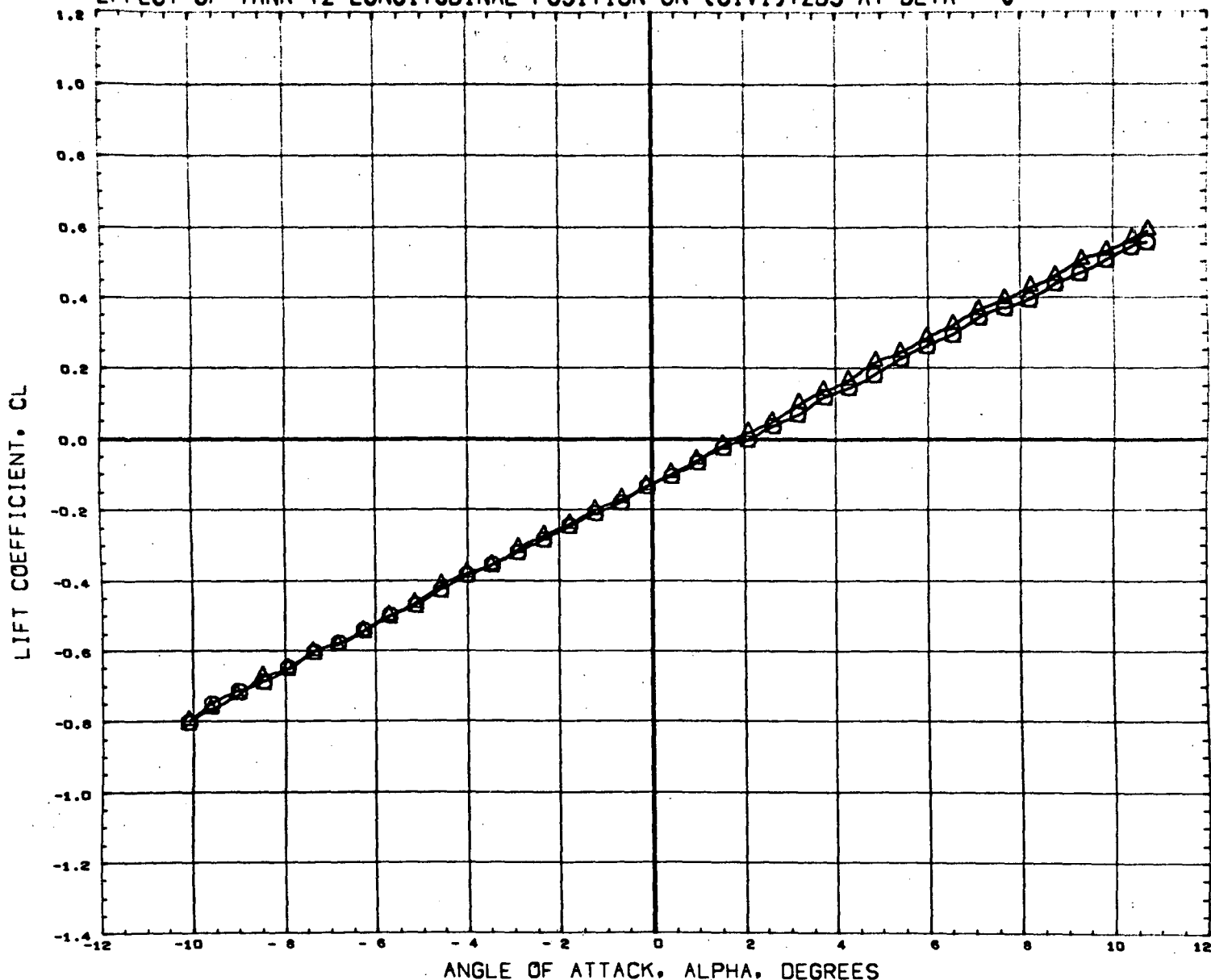
BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION	
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LREF	609.5004 IN.
BREF	882.0004 IN.
XMRP	557.0004 IN.
YMRP	0.0000 IN.
ZMRP	200.0004 IN.
SCALE	0.0060

MACH .59

PAGE 1048

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0



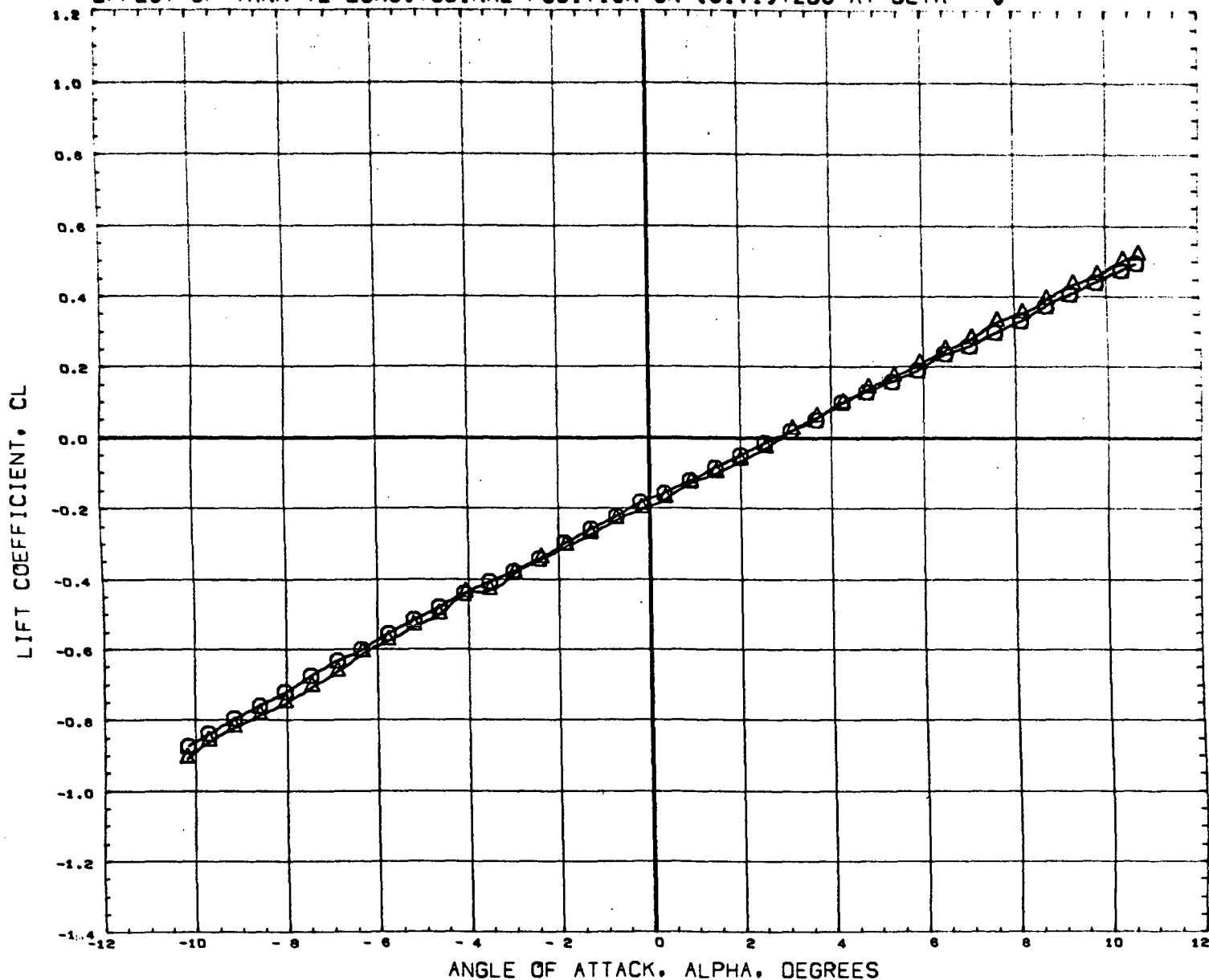
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7460) ○	MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5
(CD7462) △	MDAC S-222 COMPOSITE (T-CG) (01V1)T2AB5

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .91

PAGE 1049

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7460) ○	MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5
(CD7462) △	MDAC S-222 COMPOSITE (T-CG) (01V1)T2AB5

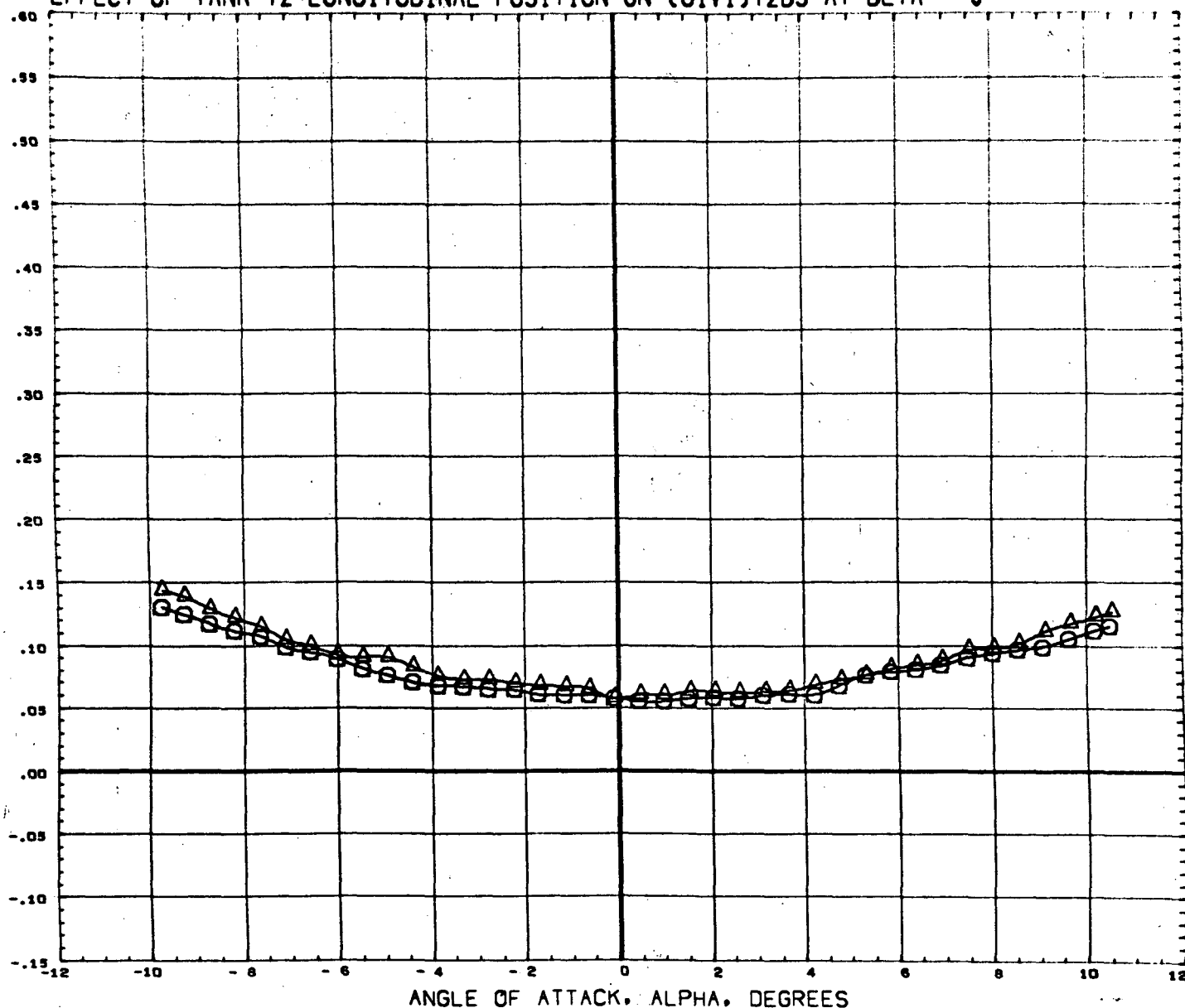
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF 609.5004 IN.
				BREF 882.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH 1.09

PAGE 1050

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (O1V1)T2B5 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7460)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T2B5
(CD7462)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T2A85

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

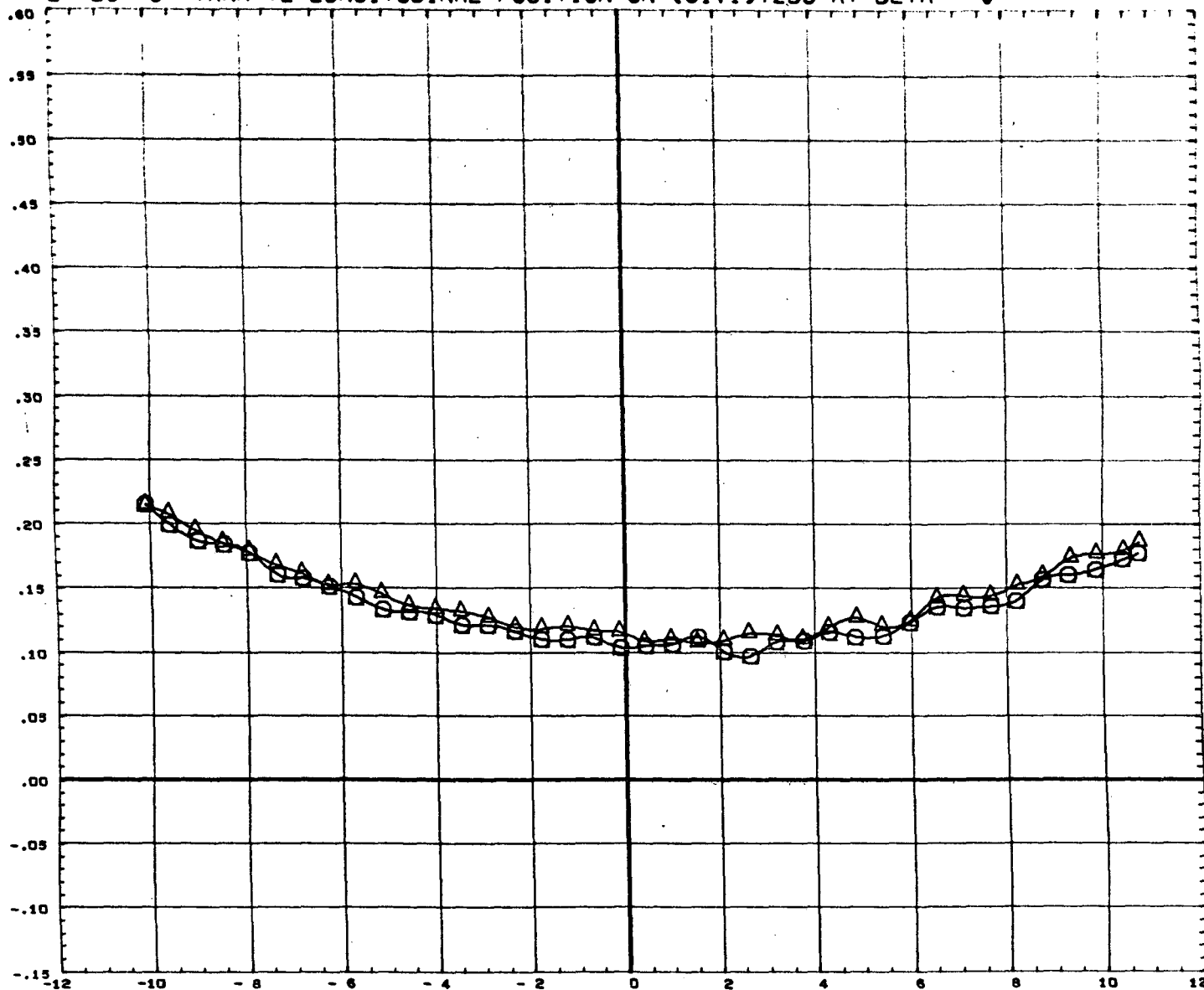
REFERENCE INFORMATION	
SREF	3155.3040 SQ. FT.
LREF	609.5004 IN.
BREF	882.0004 IN.
XMRP	557.0004 IN.
YMRP	0.0000 IN.
ZMRP	200.0004 IN.
SCALE	0.0060

MACH .59

PAGE 1051

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (O1V1)T2B5 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



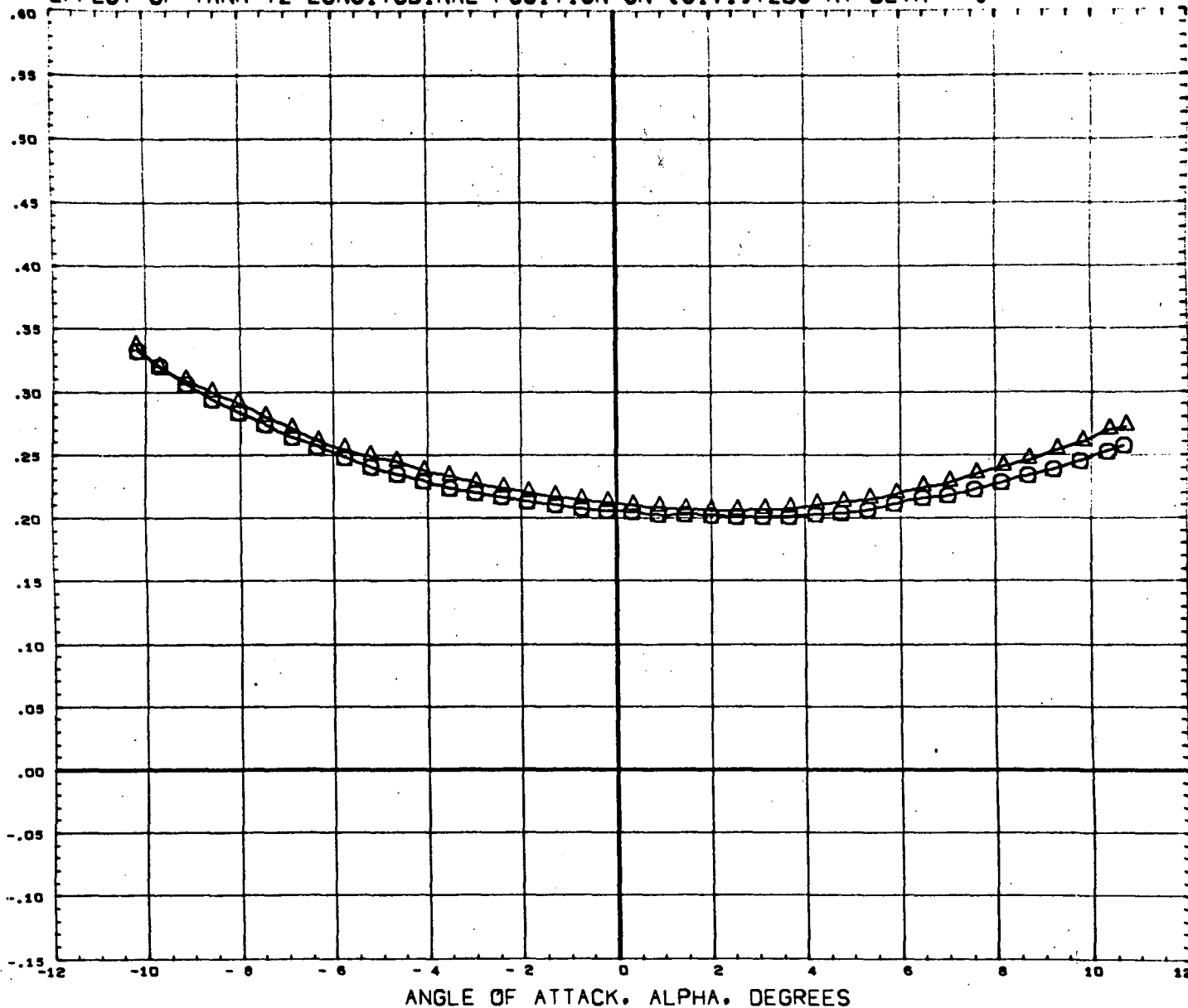
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7450)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T2B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7462)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T2AB5	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .91

PAGE 1052

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (O1V1)T2B5 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7460) ○	MDAC S-222 COMPOSITE (T-CG) (O1V1) T2B5
(CD7462) Δ	MDAC S-222 COMPOSITE (T-CG) (O1V1) T2A85

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

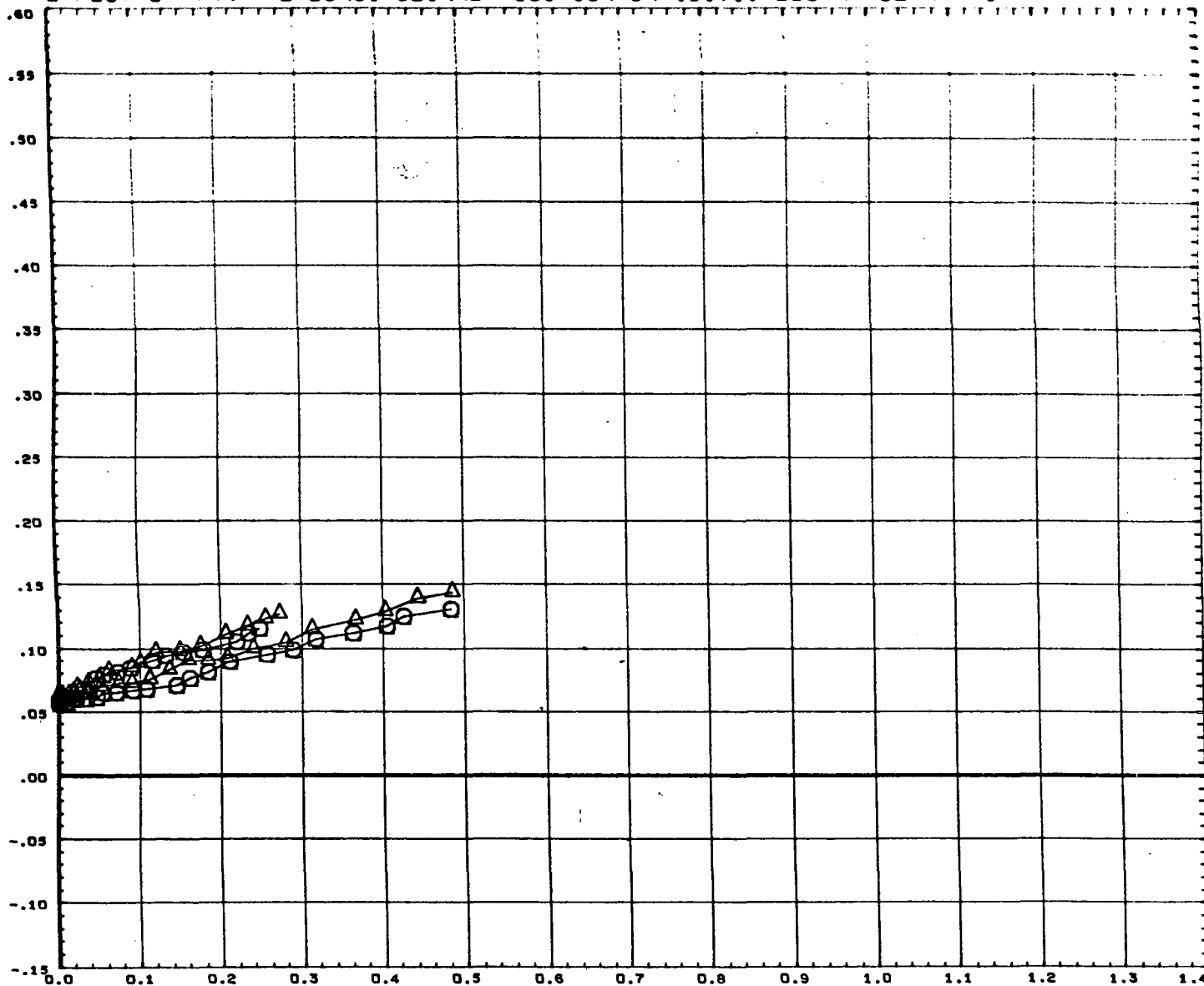
REFERENCE INFORMATION		
SREF	3155.3040	SQ. FT.
LREF	609.5004	IN.
BREF	862.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH 1.09

PAGE 1053

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQR

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7460)  $\bigcirc$  MDAC S-222 COMPOSITE (T-CG) (01V1) T2B5  
 (CD7462)  $\triangle$  MDAC S-222 COMPOSITE (T-CG) (01V1) T2AB5

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
YMRP	557.0004	IN.
ZMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

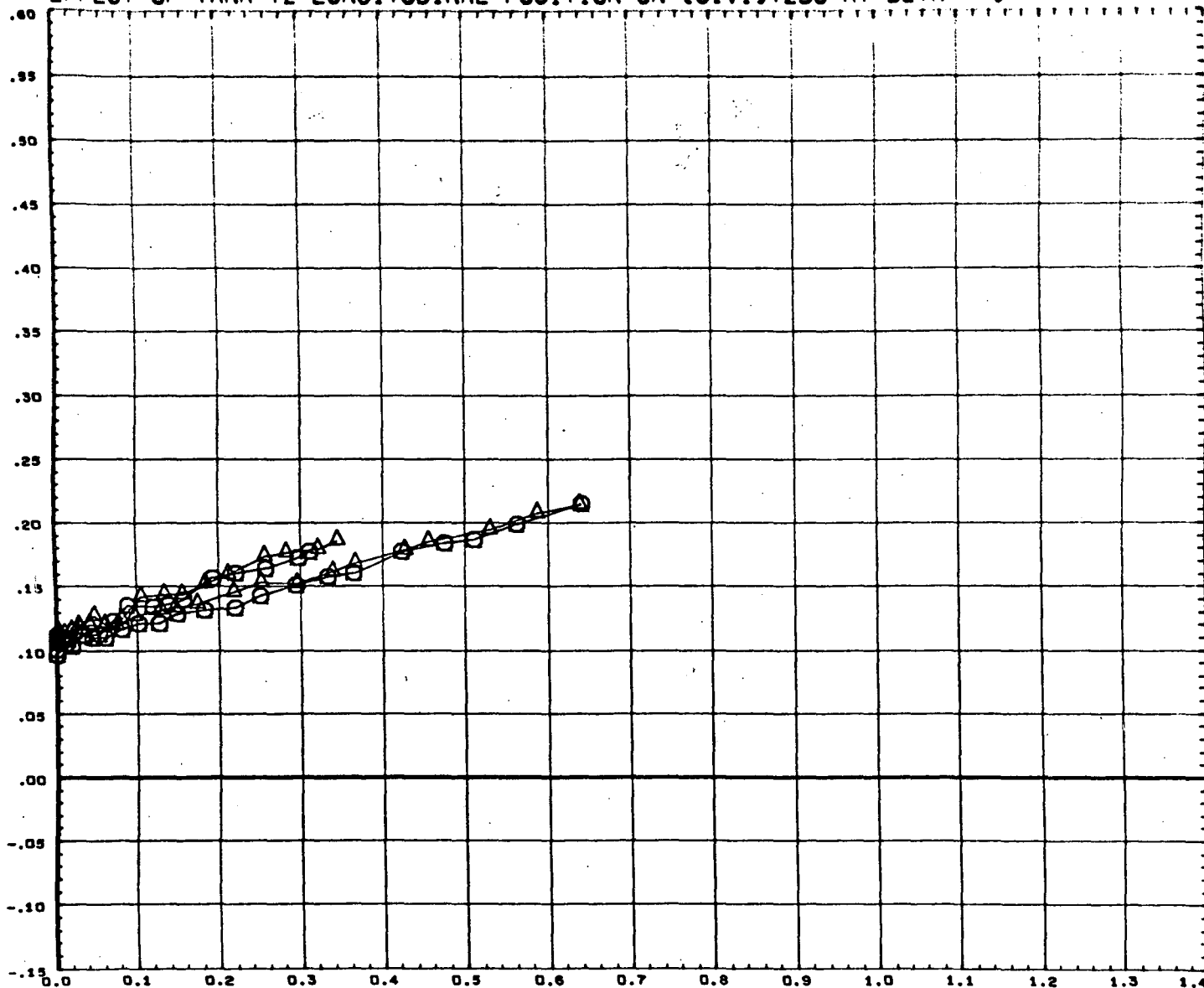
MACH .59

PAGE 1054



# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQR

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7460) ○	MDAC S-222 COMPOSITE (T-CG) (01V1) T2B5
(CD7462) △	MDAC S-222 COMPOSITE (T-CG) (01V1) T2AB5

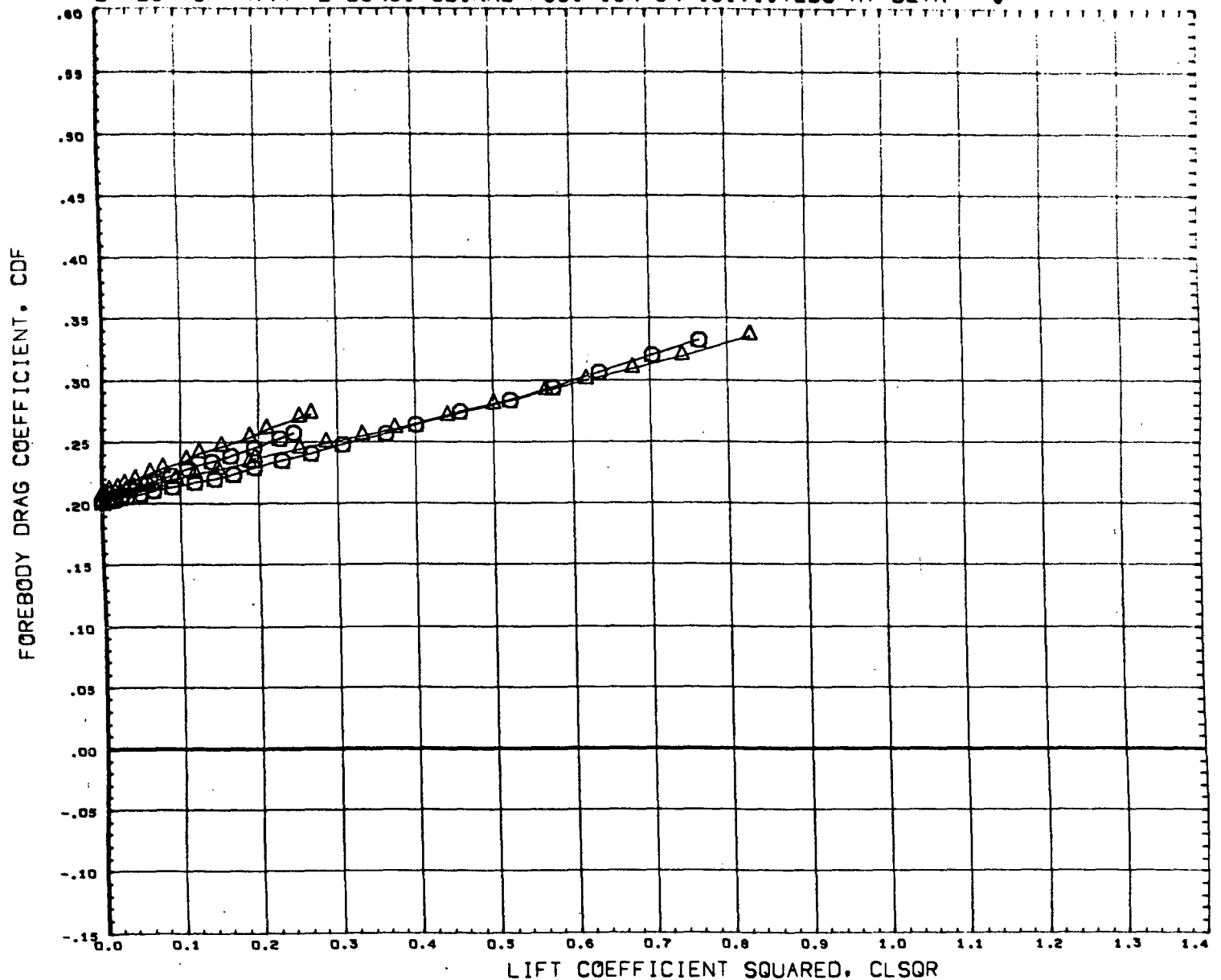
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF 609.5004 IN.
				BREF 882.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH

.91

PAGE 1055

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0

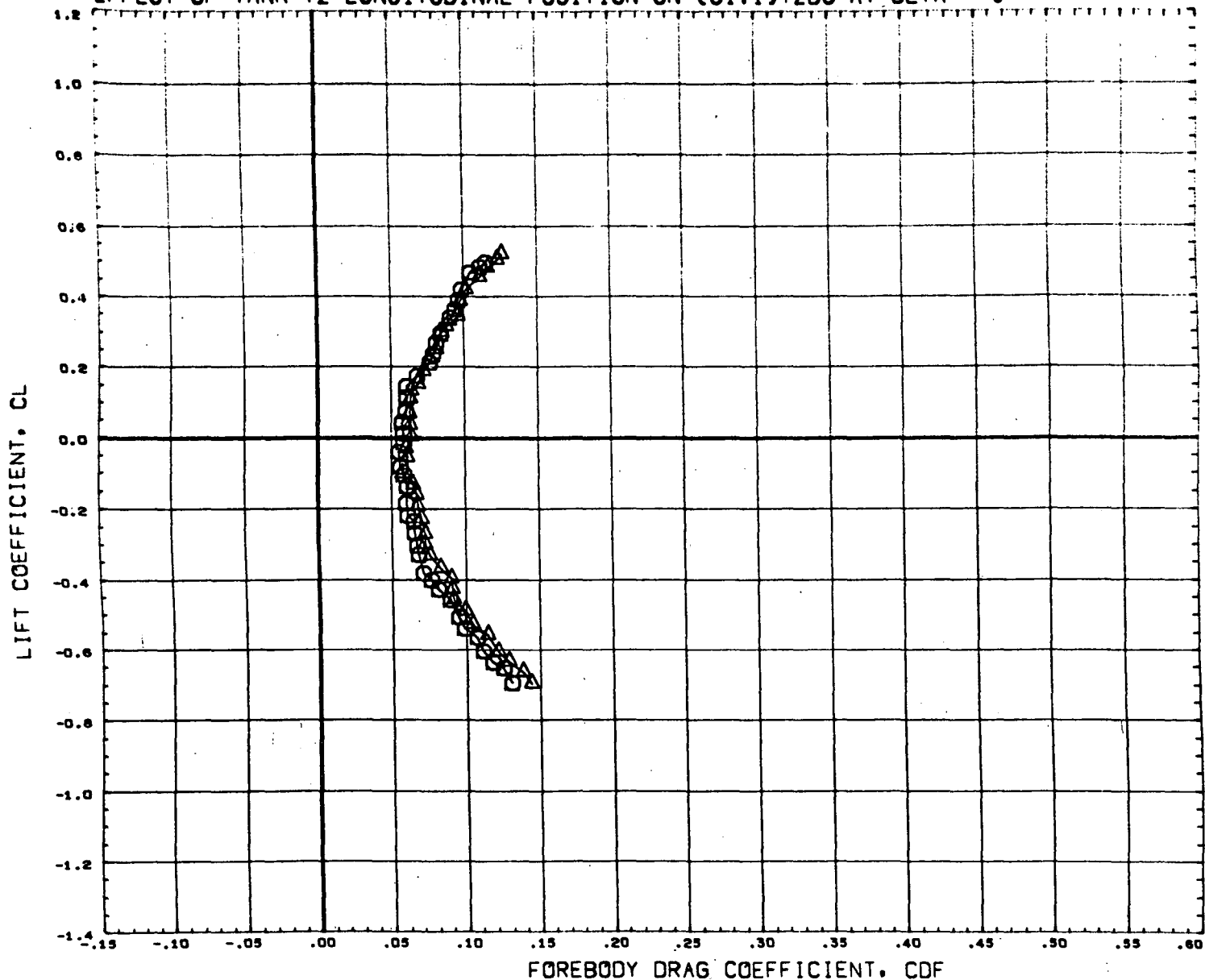


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07460)	MDAC S-222 COMPOSITE (T-CG) (01V1) T2B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07462)	MDAC S-222 COMPOSITE (T-CG) (01V1) T2AB5	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH 1.09

PAGE 1056

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0



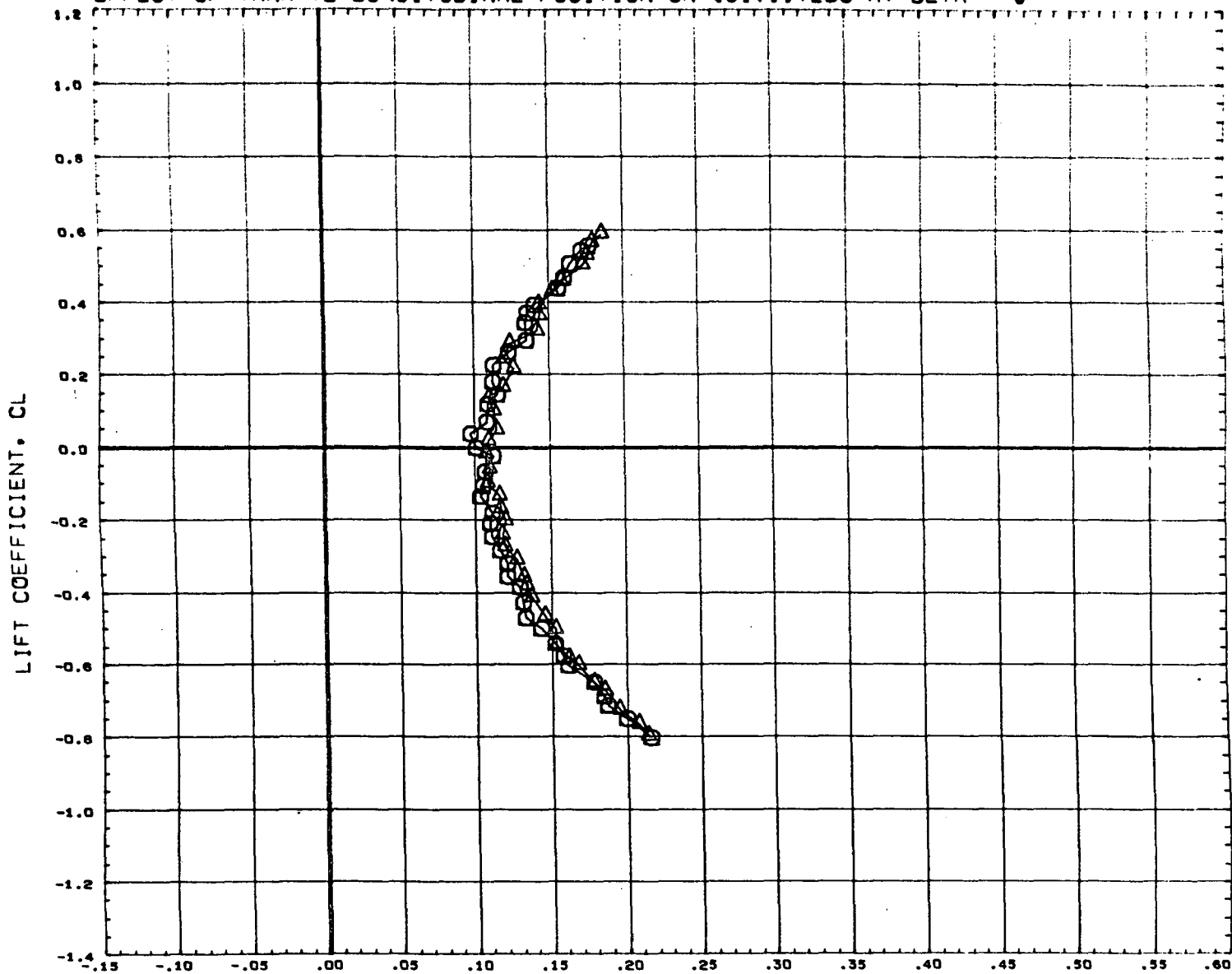
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7460) $\square$	MDAC S-222 COMPOSITE (T-CG) (01V1) T2B5
(CD7462) $\triangle$	MDAC S-222 COMPOSITE (T-CG) (01V1) T2AB5

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF 609.5004 IN.
				BREF 882.0004 IN.
				XMRF 557.0004 IN.
				YMRF 0.0000 IN.
				ZMRF 200.0004 IN.
				SCALE 0.0060



MACH .59

PAGE 1057

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0



FOREBODY DRAG COEFFICIENT, CDF

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (CD7460)  MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5  
 (CD7462)  MDAC S-222 COMPOSITE (T-CG) (01V1)T2AB5

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

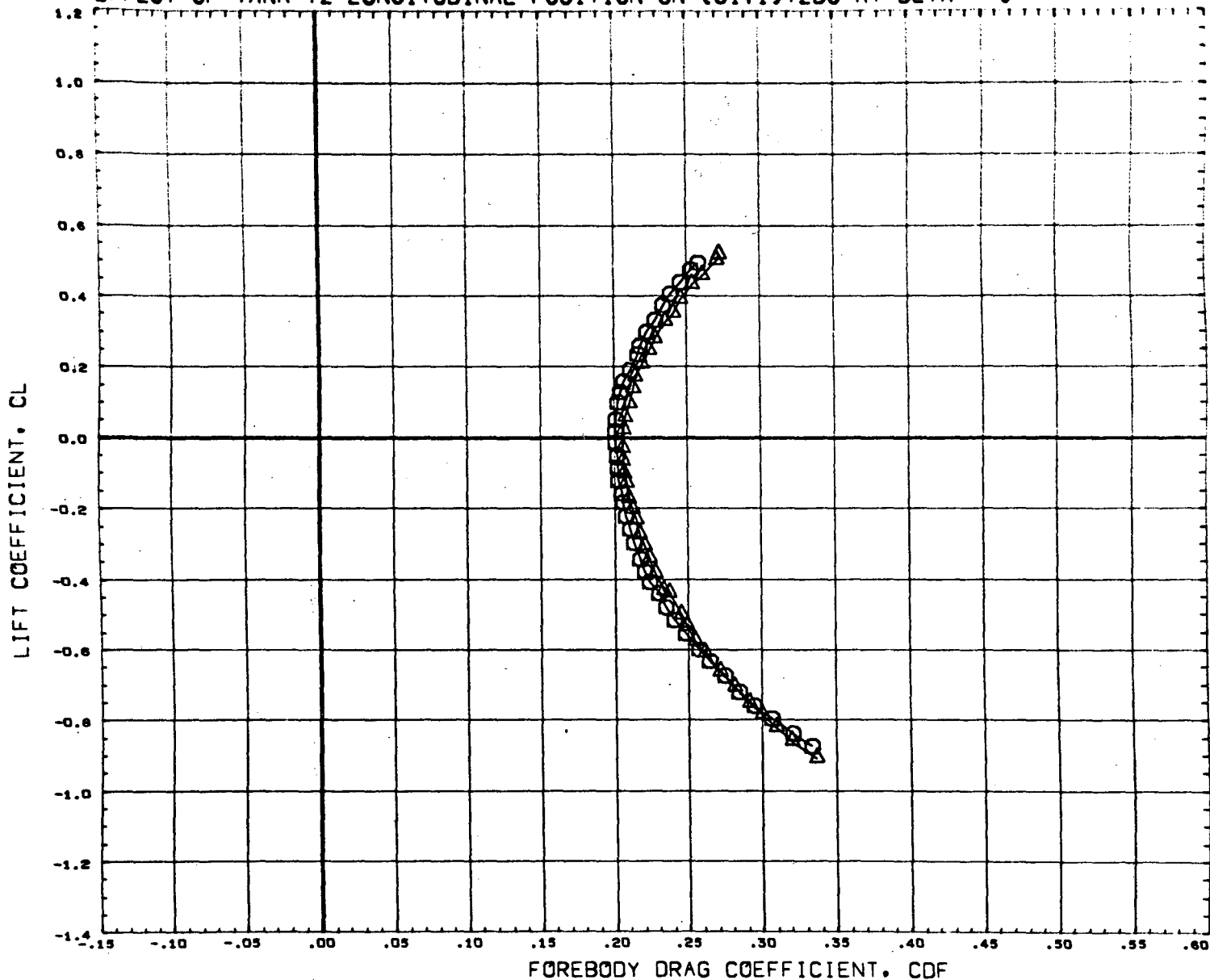
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH

.91

PAGE 1058

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (O1V1)T2B5 AT BETA = 0

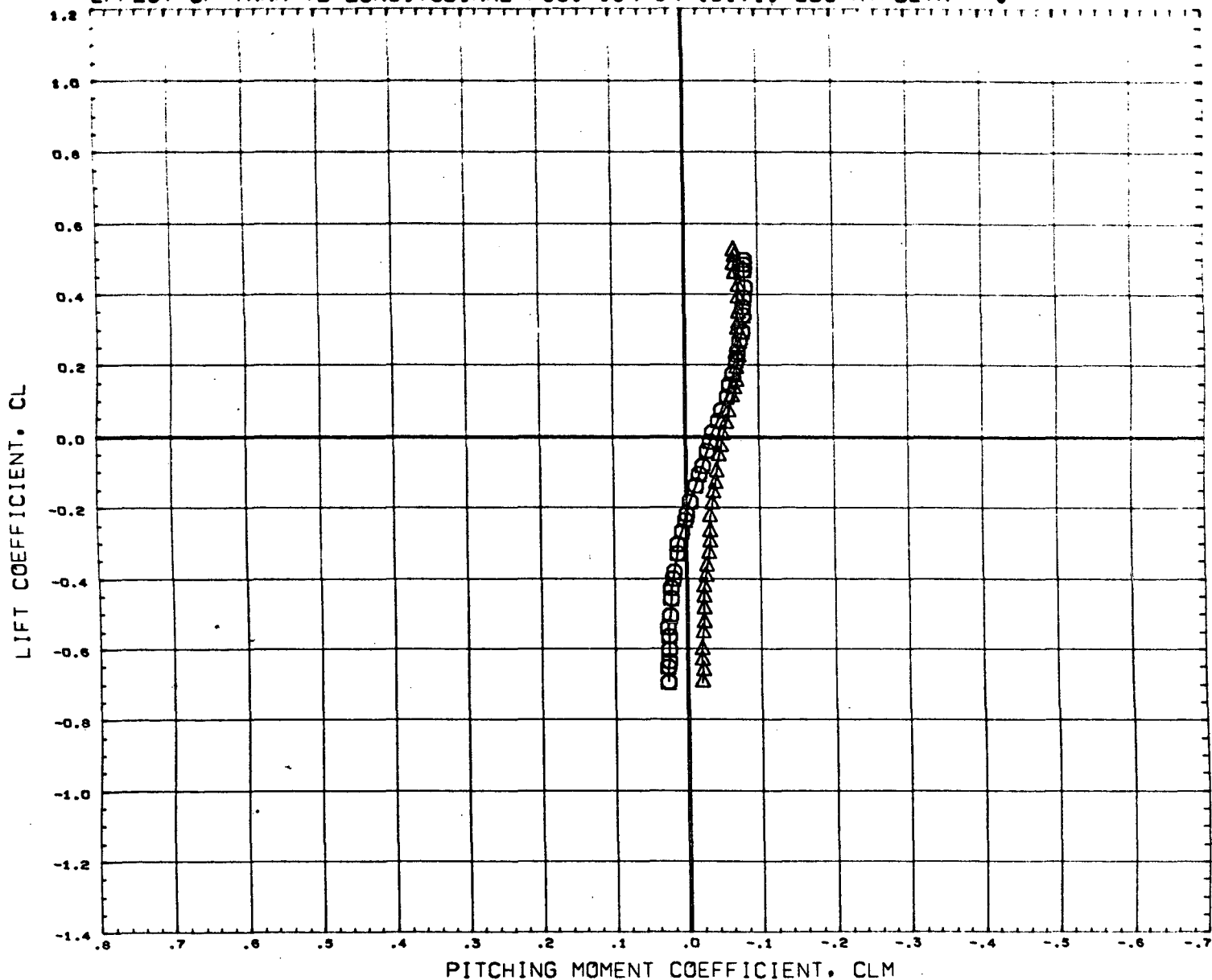


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7460)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T2B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7462)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T2A85	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

PAGE 1059

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (O1V1)T2B5 AT BETA = 0



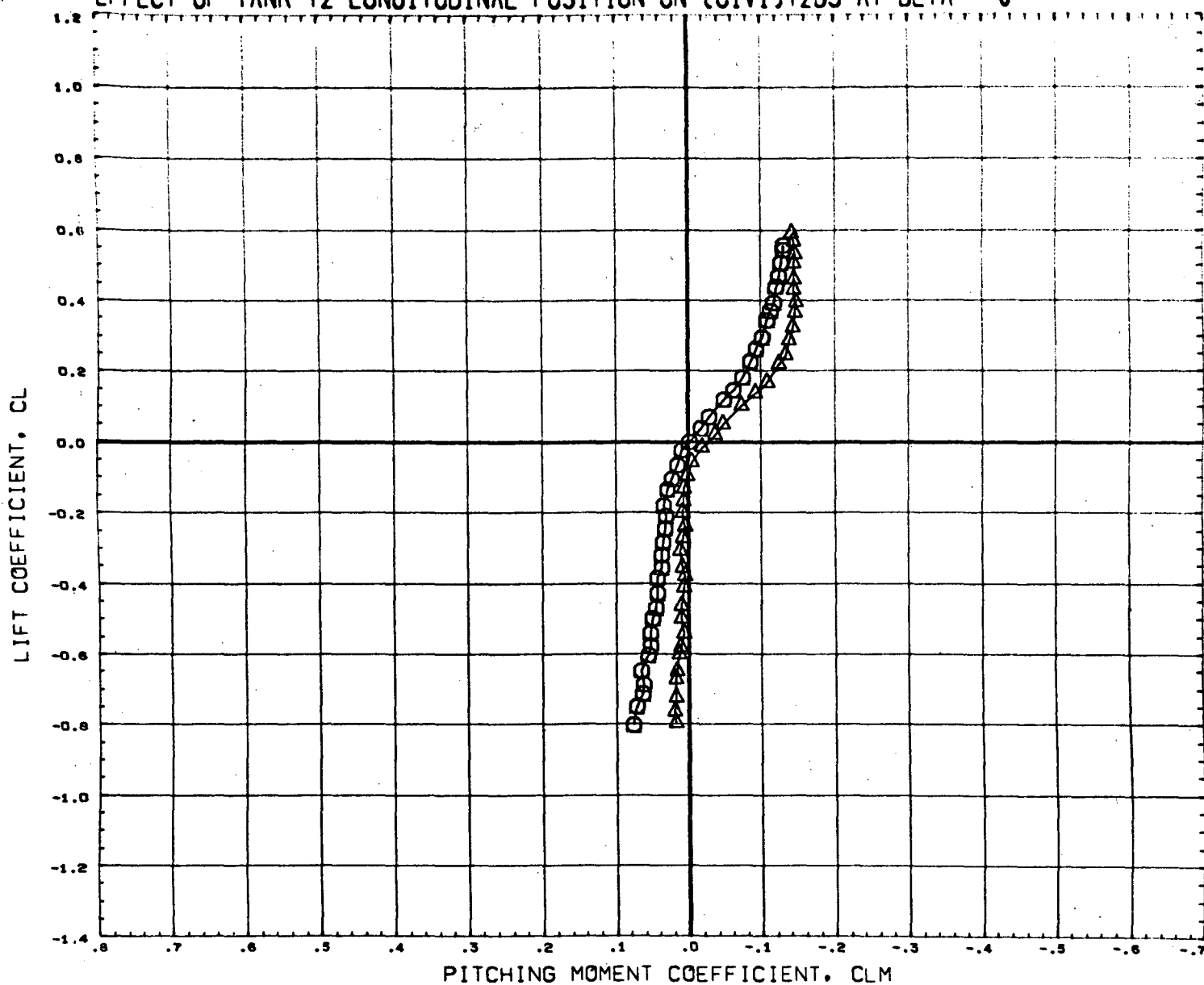
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7460)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T2B5
(CD7462)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T2B5

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF 609.5004 IN.
				BREF 882.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH .59

PAGE 1060

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 AT BETA = 0

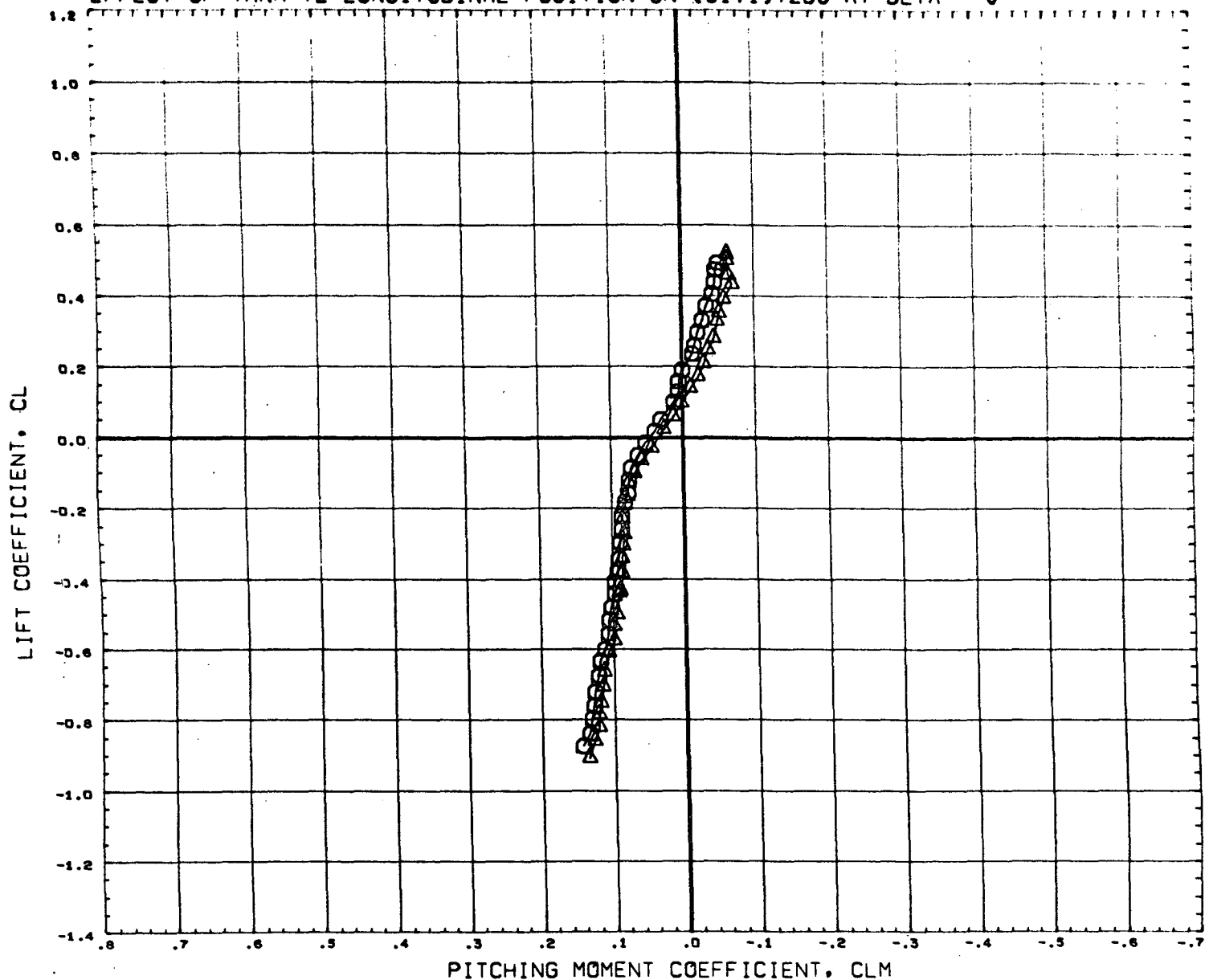


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7460)	MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7462)	MDAC S-222 COMPOSITE (T-CG) (01V1)T2AB5	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .91

PAGE 1061

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (O1V1)T2B5 AT BETA = 0



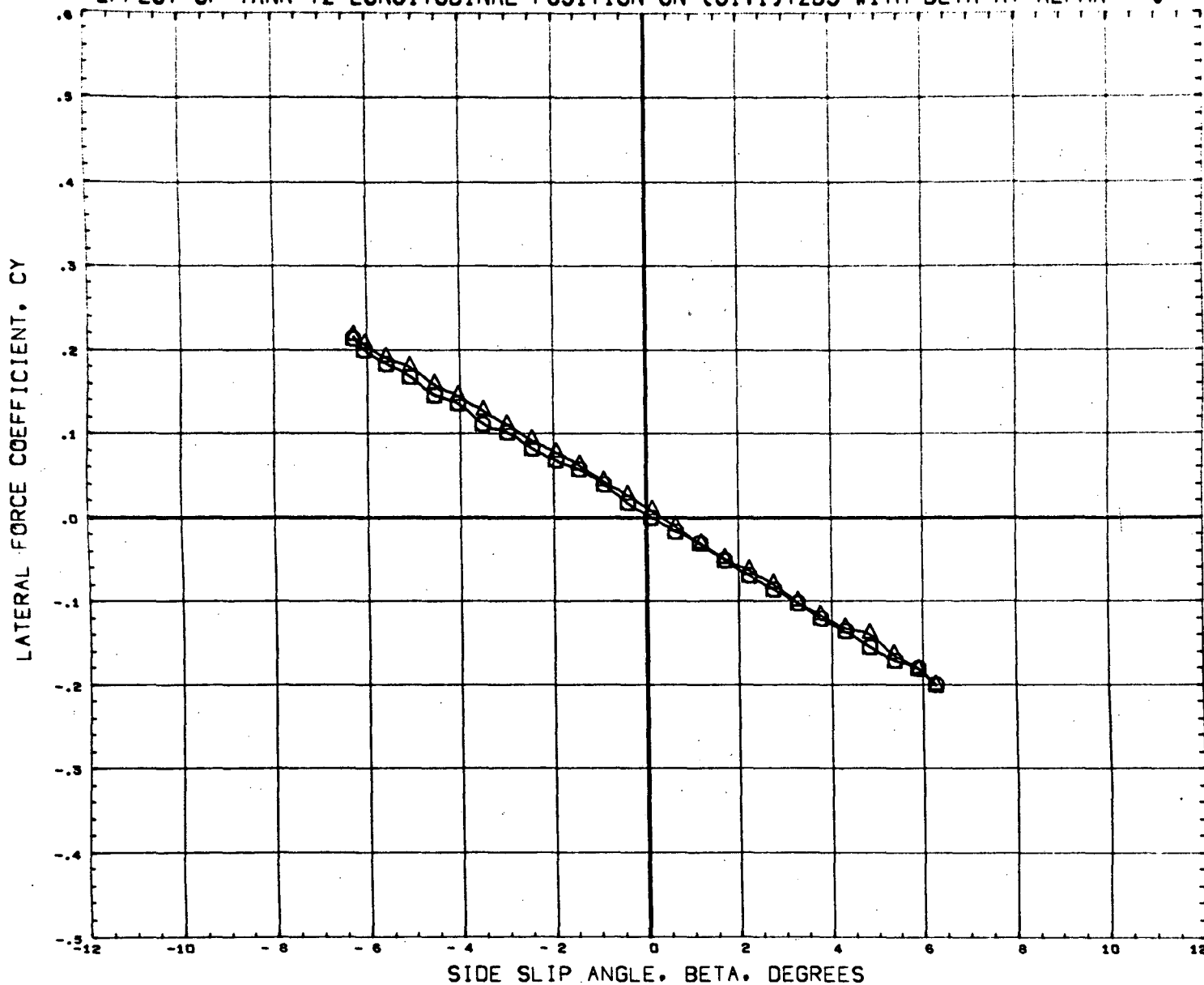
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7460)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T2B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7462)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T2AB5	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

PAGE 1062



# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 WITH BETA AT ALPHA = 0



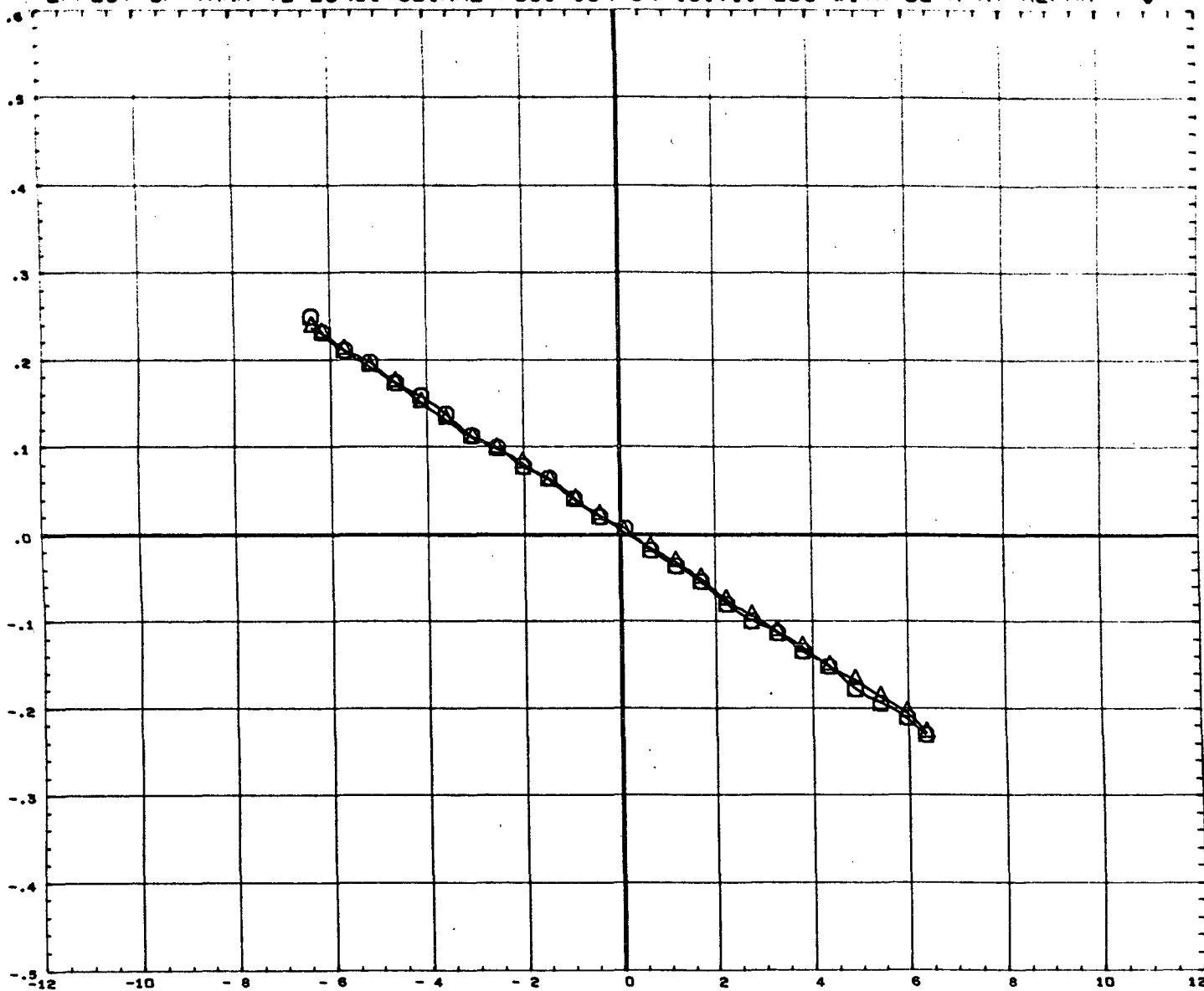
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7461)	MDAC S-222 COMPOSITE (T-CG) (01V1) T2B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7463)	MDAC S-222 COMPOSITE (T-CG) (01V1) T2AB5	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .59

PAGE 1063

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 WITH BETA AT ALPHA = 0

LATERAL FORCE COEFFICIENT, CY



SIDE SLIP ANGLE, BETA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RD7461) MDAC S-222 COMPOSITE (T-CG) (01V1) T2B5  
 (RD7463) MDAC S-222 COMPOSITE (T-CG) (01V1) T2AB5

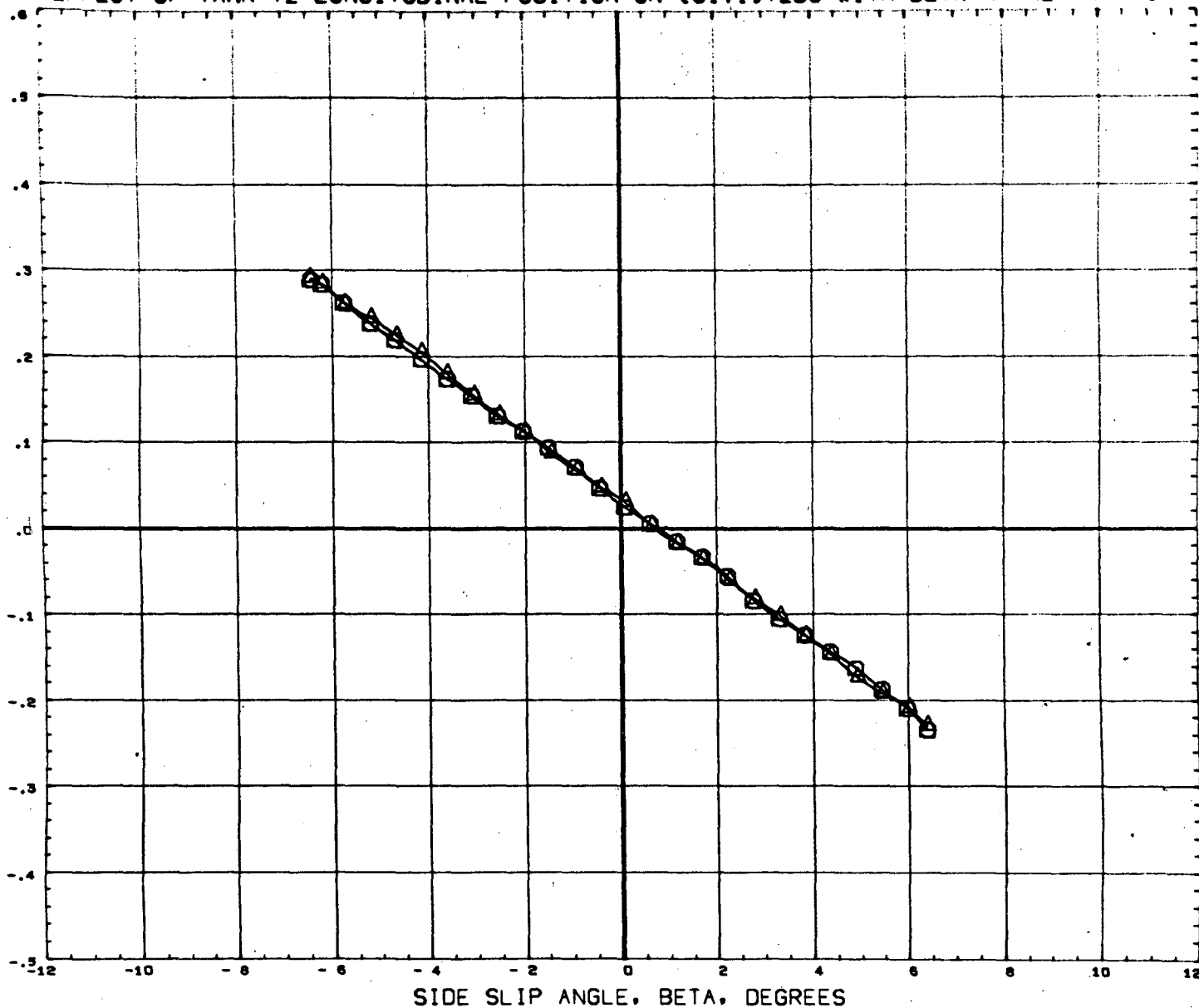
ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				YMRP	557.0004 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .90

PAGE 1064

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 WITH BETA AT ALPHA = 0

LATERAL FORCE COEFFICIENT, CY



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RD7461) MDAC S-222 COMPOSITE (T-CG) (01V1) T2B5  
(RD7463) MDAC S-222 COMPOSITE (T-CG) (01V1) T2AB5

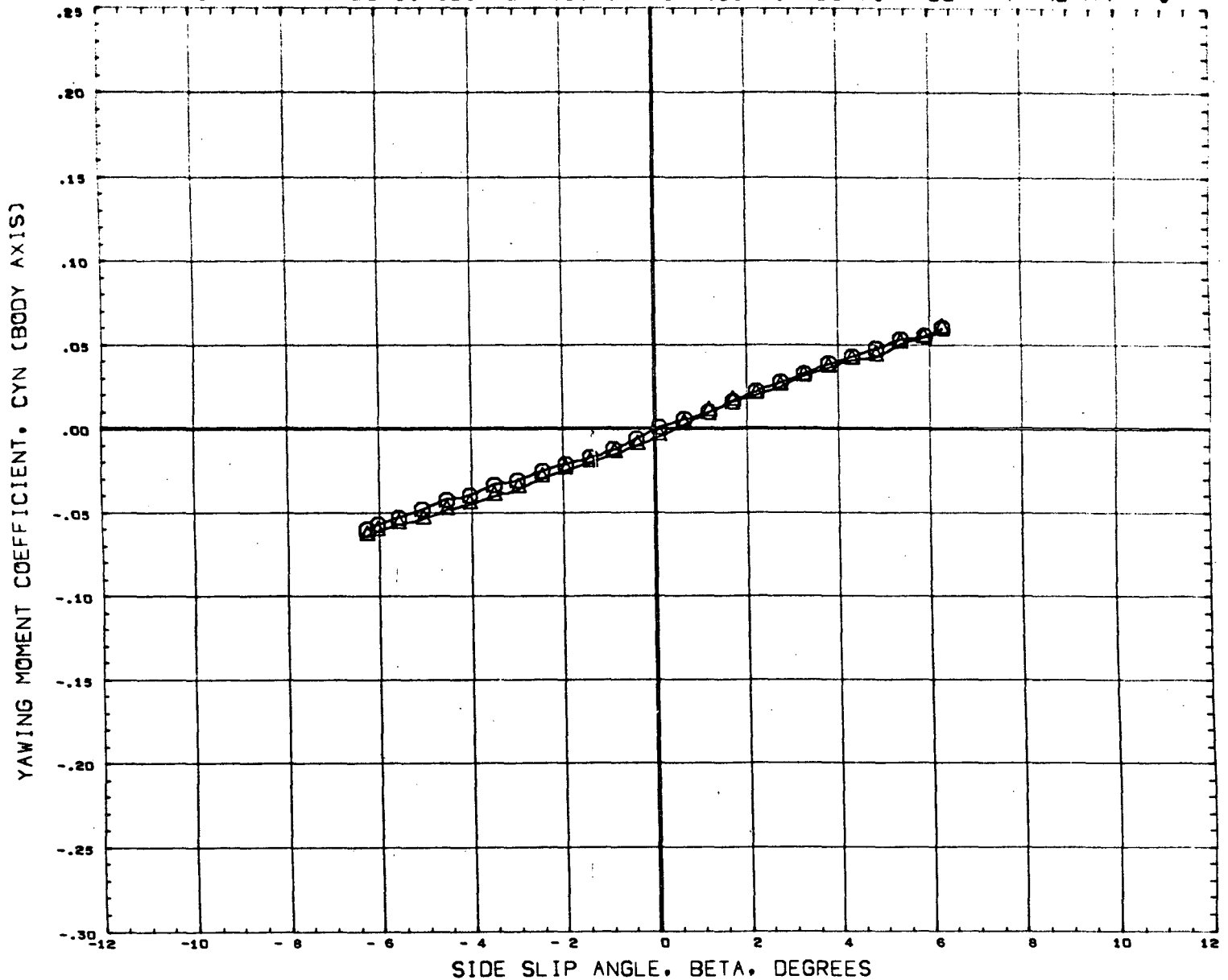
ALPHA ELEVTR ATLON RUDDER  
0.000 0.000 0.000 0.000  
0.000 0.000 0.000 0.000



REFERENCE INFORMATION  
SREF 3155.3040 SQ.FT.  
LREF 609.5004 IN.  
BREF 882.0004 IN.  
XMRP 557.0004 IN.  
YMRP 0.0000 IN.  
ZMRP 200.0004 IN.  
SCALE 0.0080

MACH 1.10

PAGE 1065

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 WITH BETA AT ALPHA = 0



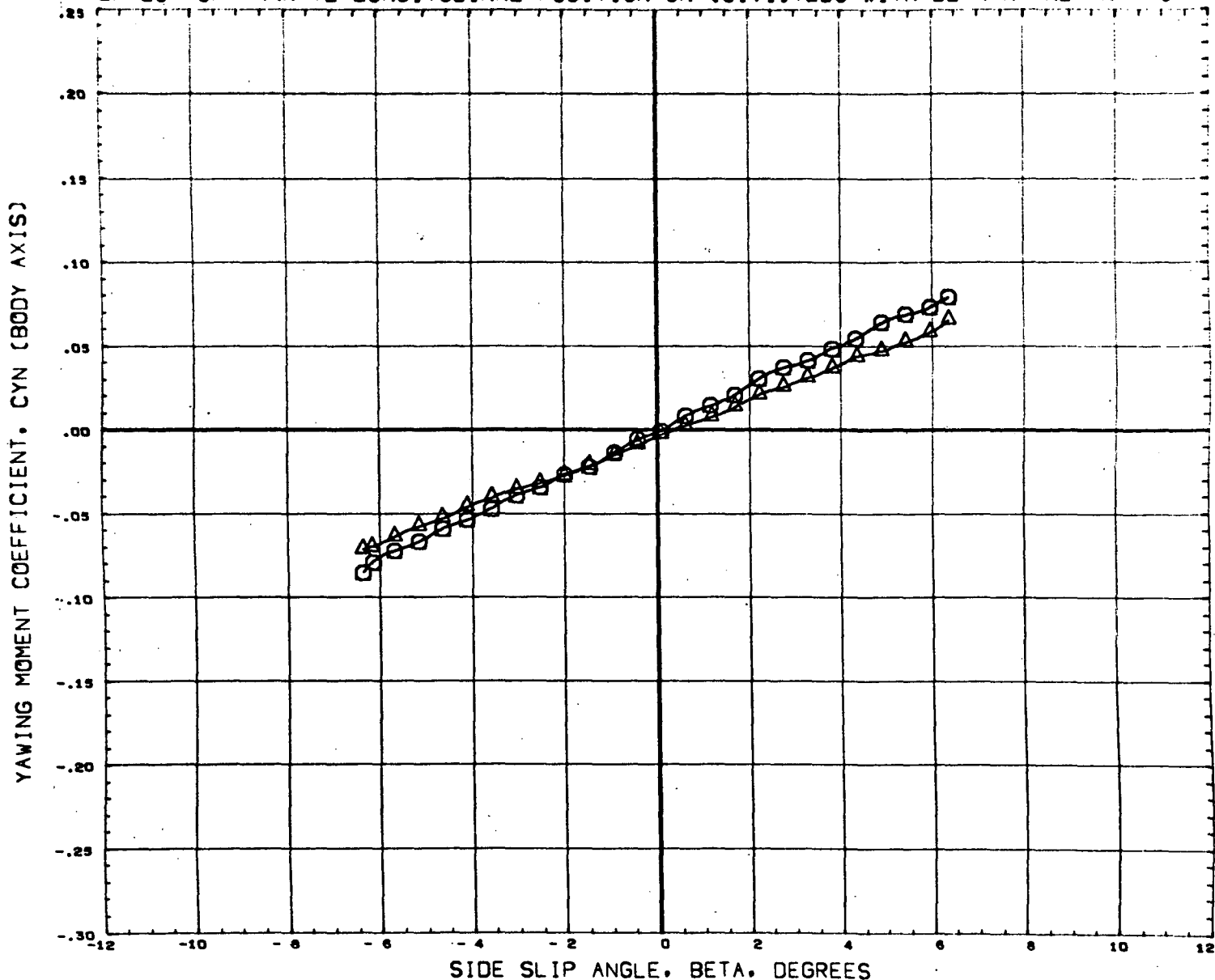
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD7461) 	MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5
(RD7463) 	MDAC S-222 COMPOSITE (T-CG) (01V1)T2AB5

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .59

PAGE 1066

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 WITH BETA AT ALPHA = 0



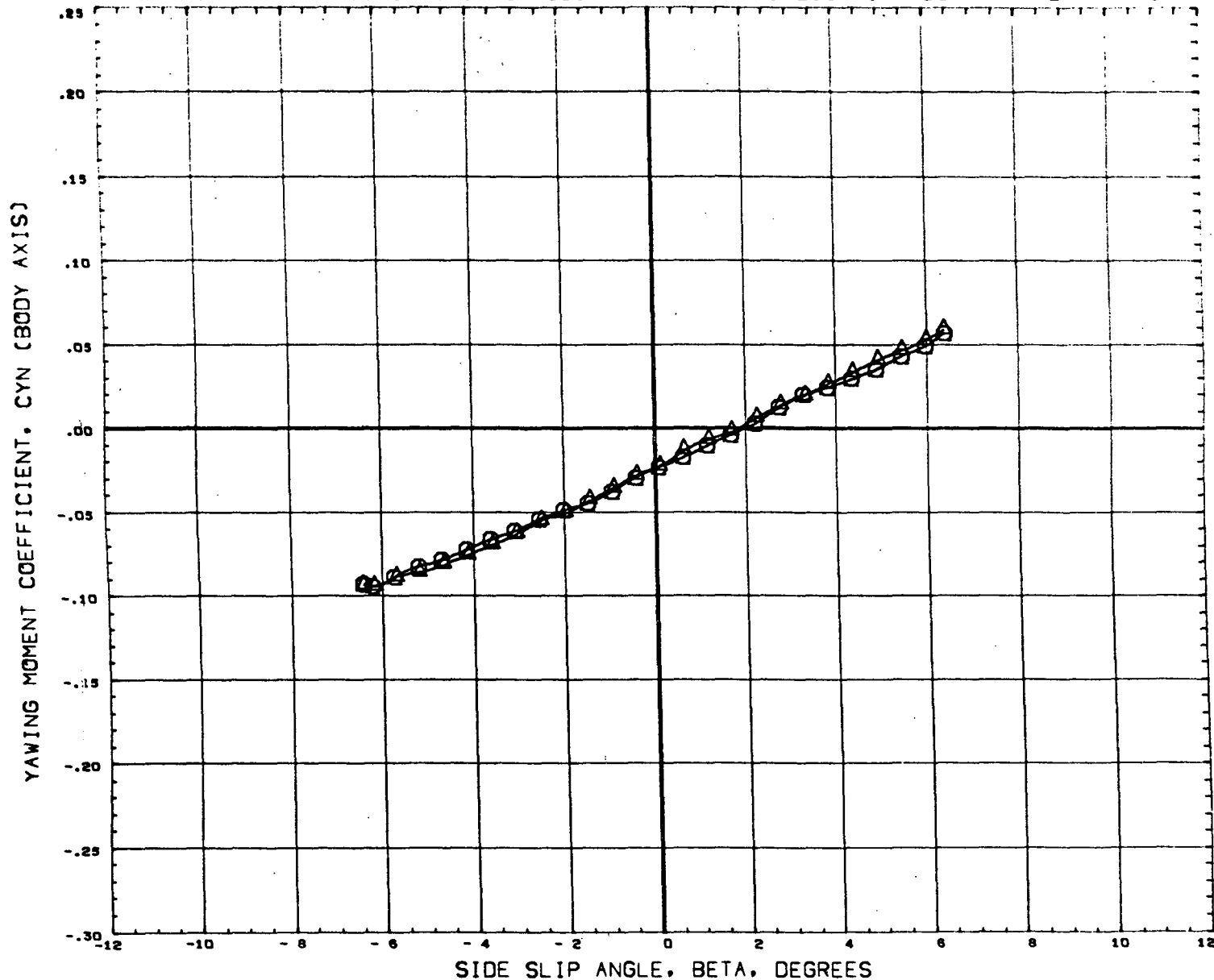
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD7461)	MDAC S-222 COMPOSITE (T-CG) (01V1) T2B5
(RD7463)	MDAC S-222 COMPOSITE (T-CG) (01V1) T2A85

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF 609.5004 IN.
				BREF 882.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH .90

PAGE 1067

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (O1V1)T2B5 WITH BETA AT ALPHA = 0

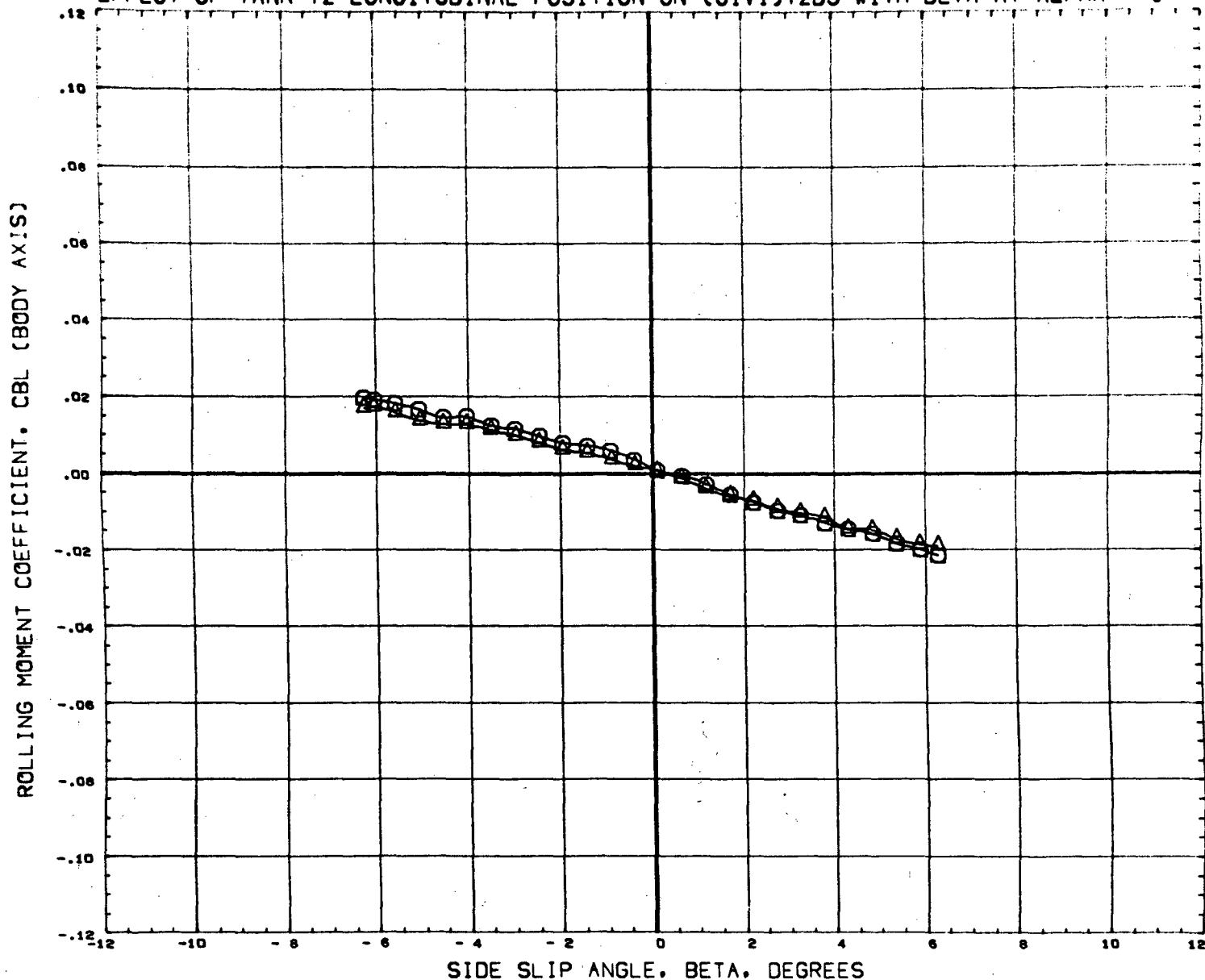


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7461)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T2B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7463)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T2AB5	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

PAGE 1068

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (O1V1)T2B5 WITH BETA AT ALPHA = 0

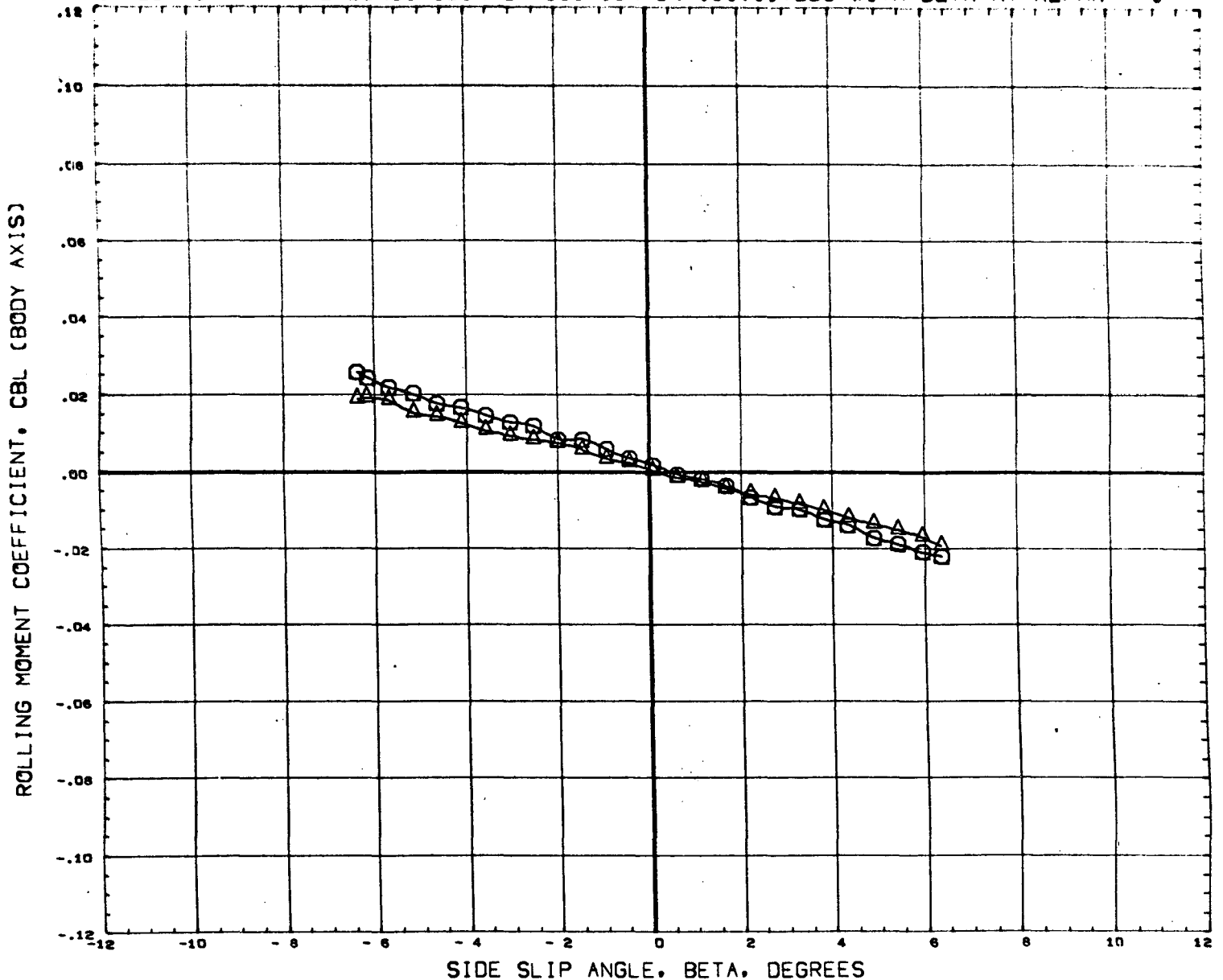


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7461)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T2B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7463)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T2AB5	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .59

PAGE 1069

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 WITH BETA AT ALPHA = 0



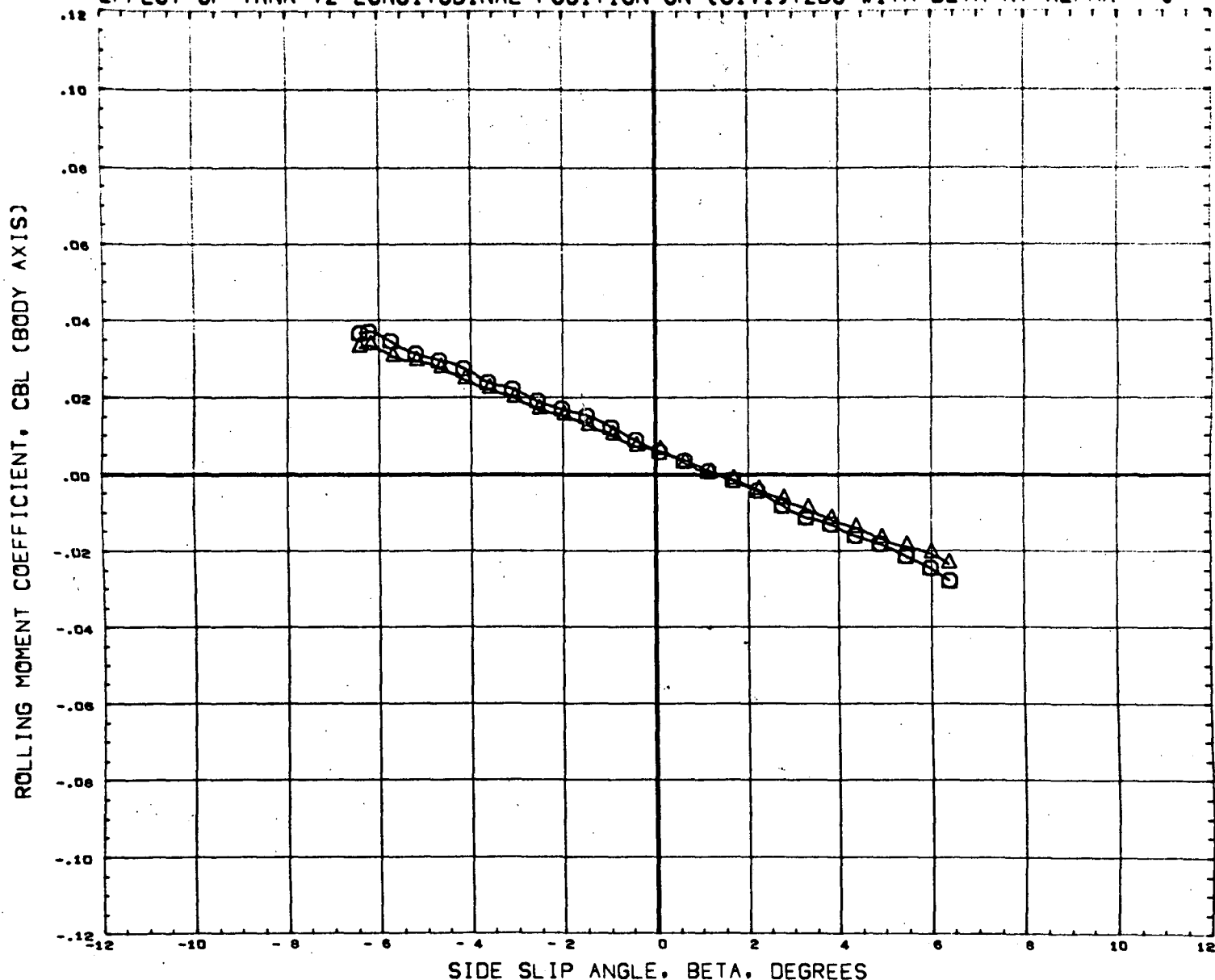
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7461)	MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7463)	MDAC S-222 COMPOSITE (T-CG) (01V1)T2AB5	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 1070



# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (O1V1)T2B5 WITH BETA AT ALPHA = 0

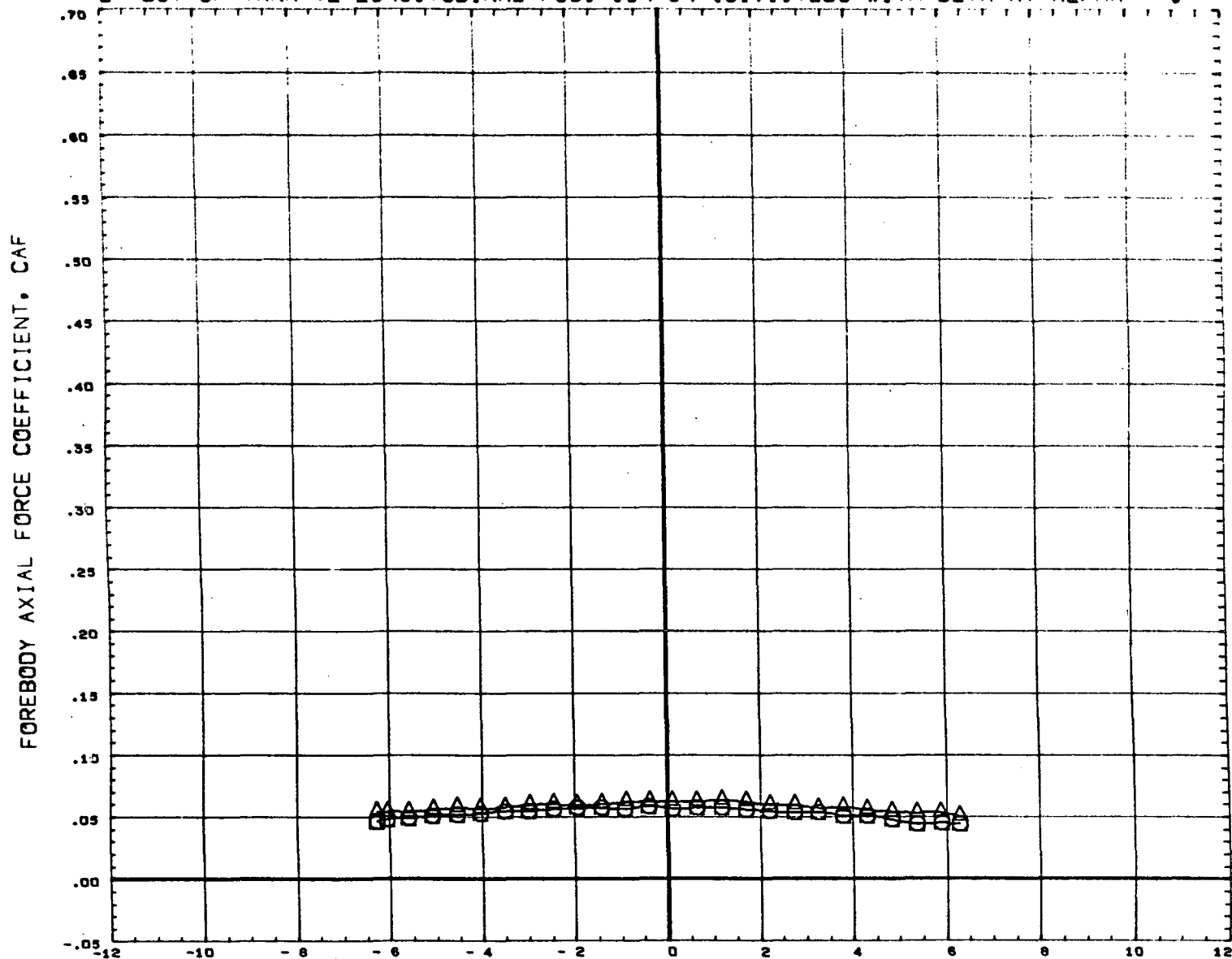


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(R07461)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T2B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(R07463)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T2AB5	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

PAGE 1071

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 WITH BETA AT ALPHA = 0



SIDE SLIP ANGLE, BETA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RD7461) MDAC S-222 COMPOSITE(T-CG) (01V1)T2B5  
(RD7463) MDAC S-222 COMPOSITE(T-CG) (01V1)T2AB5

ALPHA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION	
SREF	3155.3040 SQ.FT.
LREF	609.5004 IN.
BREF	882.0004 IN.
XMRP	557.0004 IN.
YMRP	0.0000 IN.
ZMRP	200.0004 IN.
SCALE	0.0060

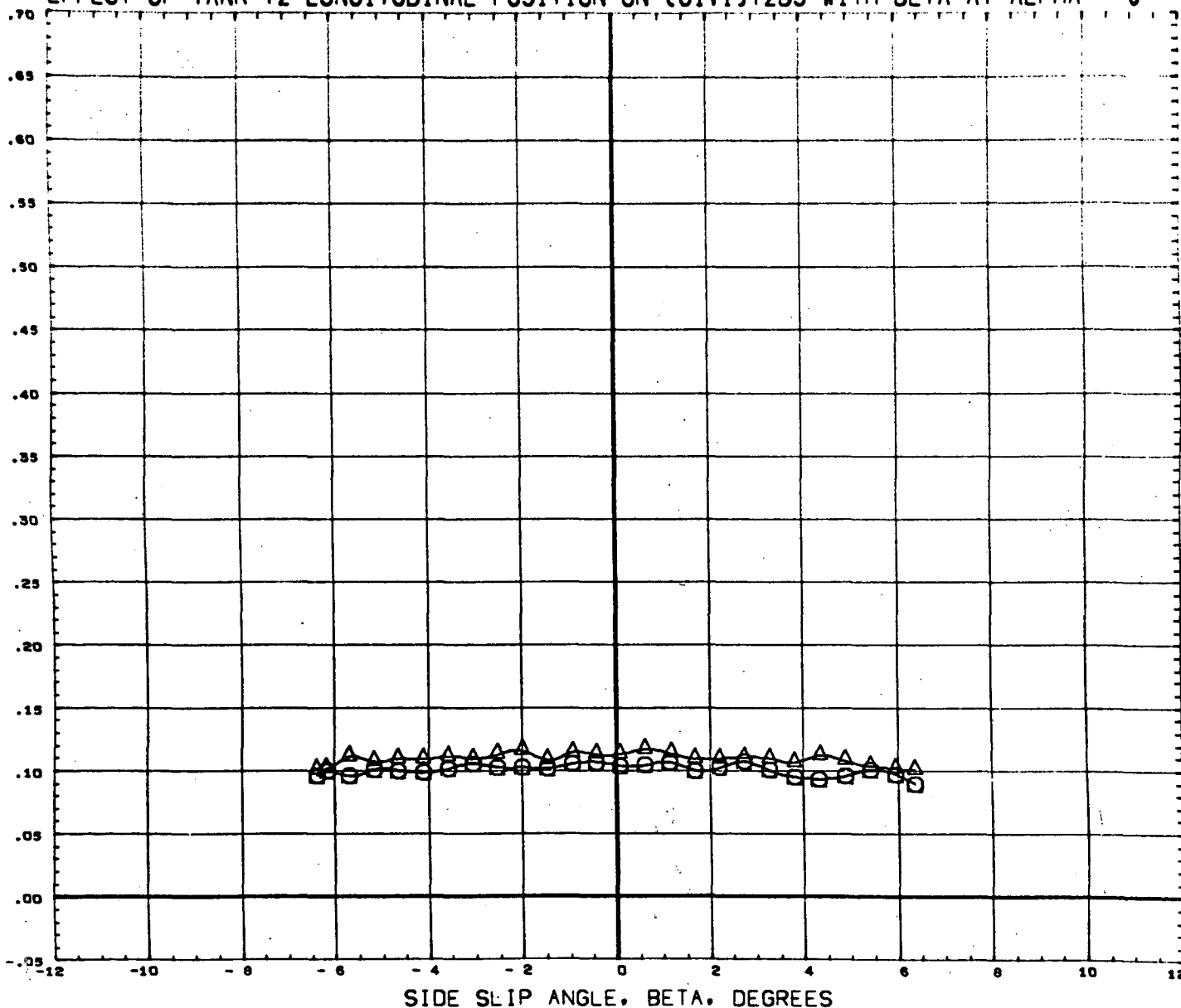
MACH

.59

PAGE 1072

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 WITH BETA AT ALPHA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF



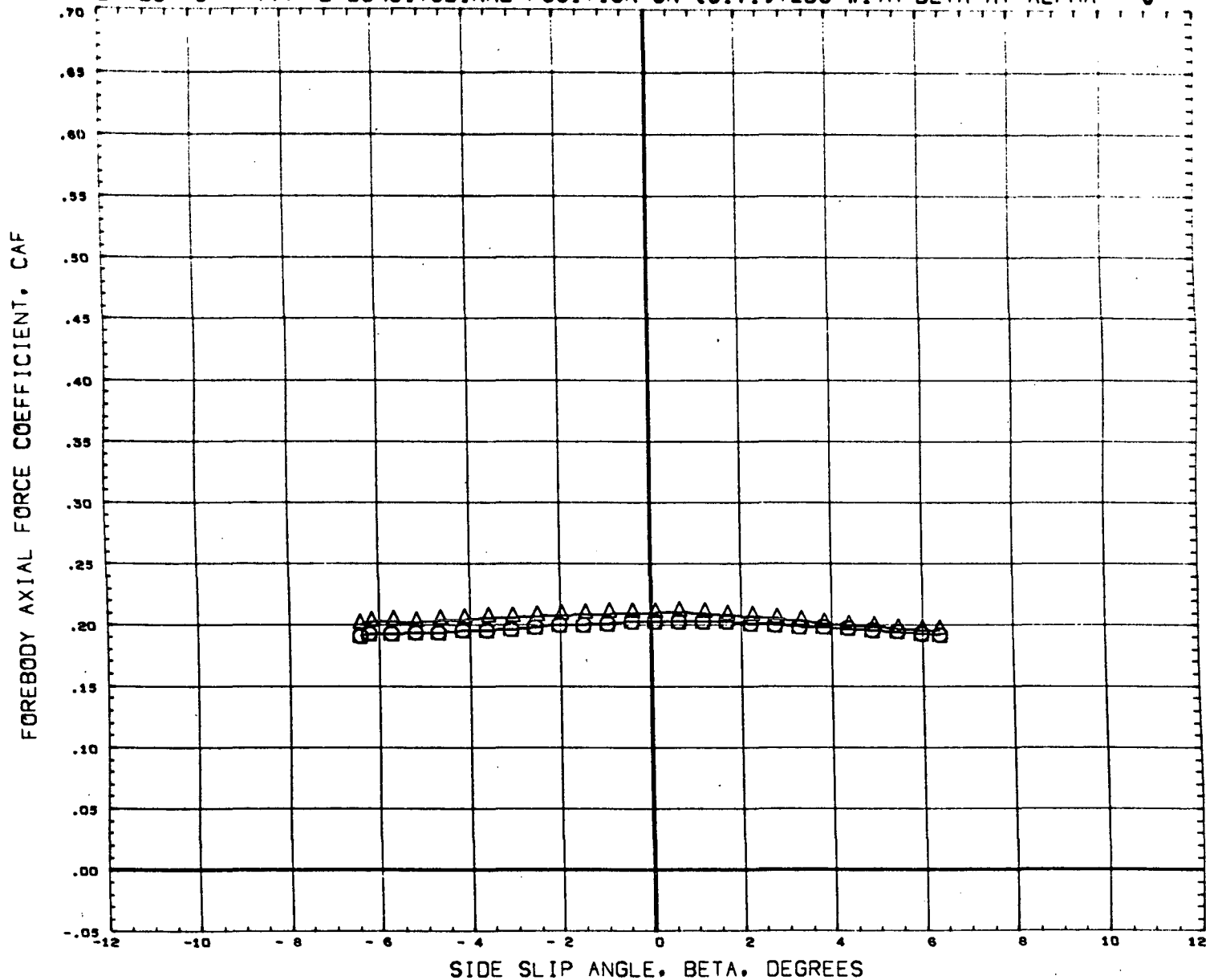
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RD7461) MDAC S-222 COMPOSITE(T-CG) (01V1)T2B5  
(RD7463) MDAC S-222 COMPOSITE(T-CG) (01V1)T2AB5

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .90

PAGE 1073

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 WITH BETA AT ALPHA = 0

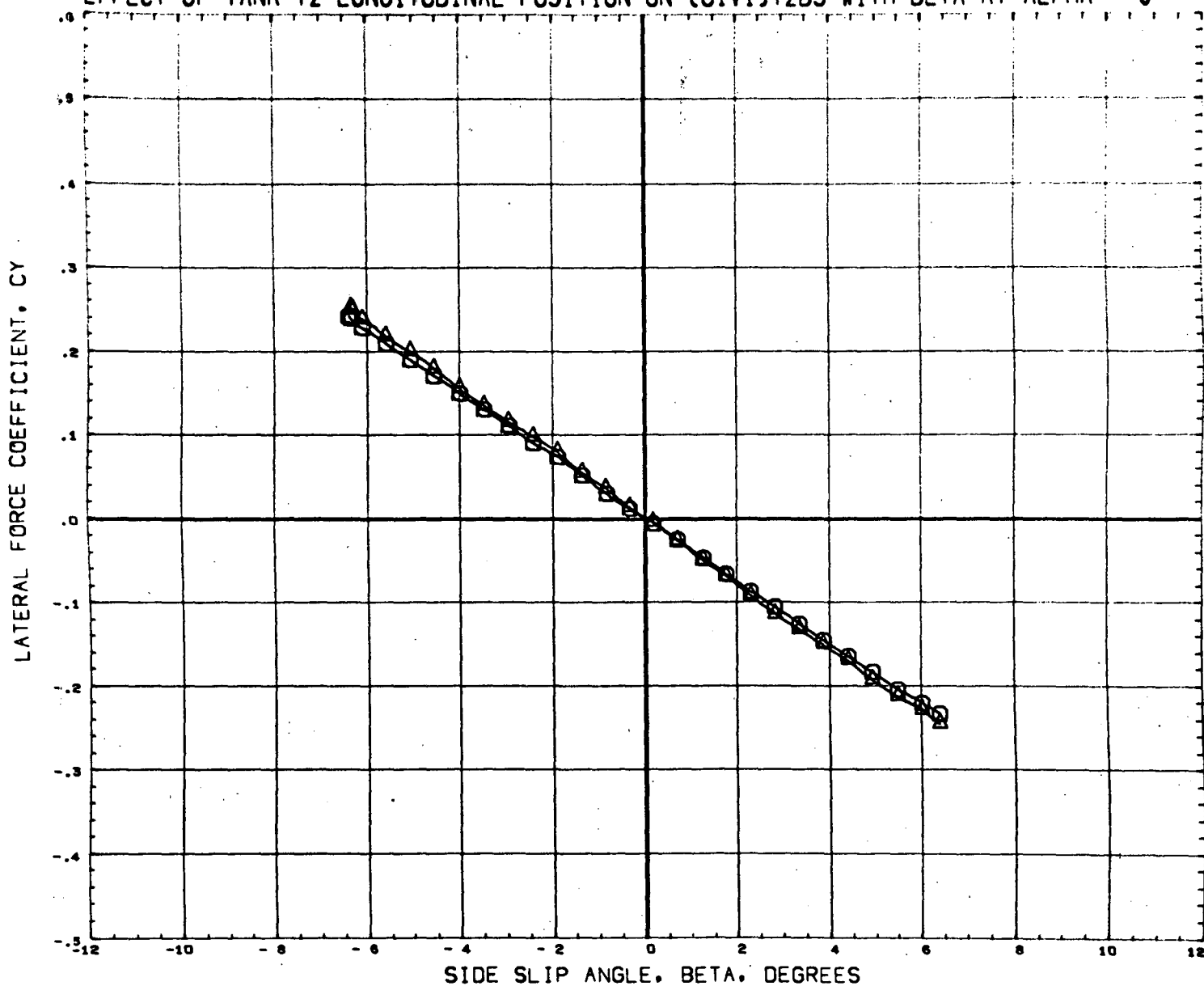


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7461)	MDAC S-222 COMPOSITE (T-CG) (01V1) T2B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7463)	MDAC S-222 COMPOSITE (T-CG) (01V1) T2AB5	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						YMRP	557.0004 IN.
						ZMRP	0.0000 IN.
						SCALE	200.0004 IN.
							0.0060

MACH 1.10

PAGE 1074

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (O1V1)T2B5 WITH BETA AT ALPHA = 0

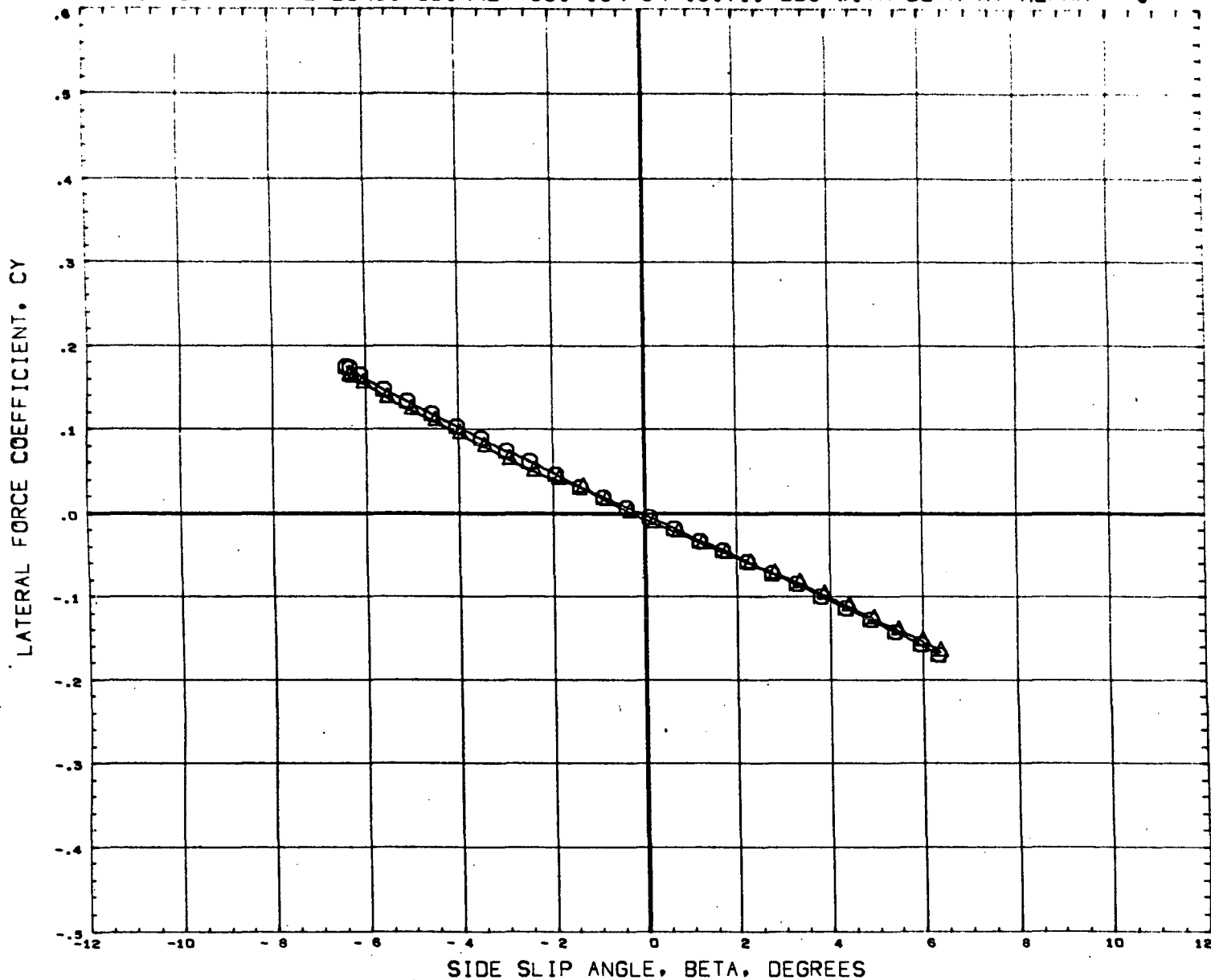


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD74E)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T2B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ. FT.
(ED74F1)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T2AB5	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060 SCALE

MACH 2.20

PAGE 1075

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 WITH BETA AT ALPHA = 0



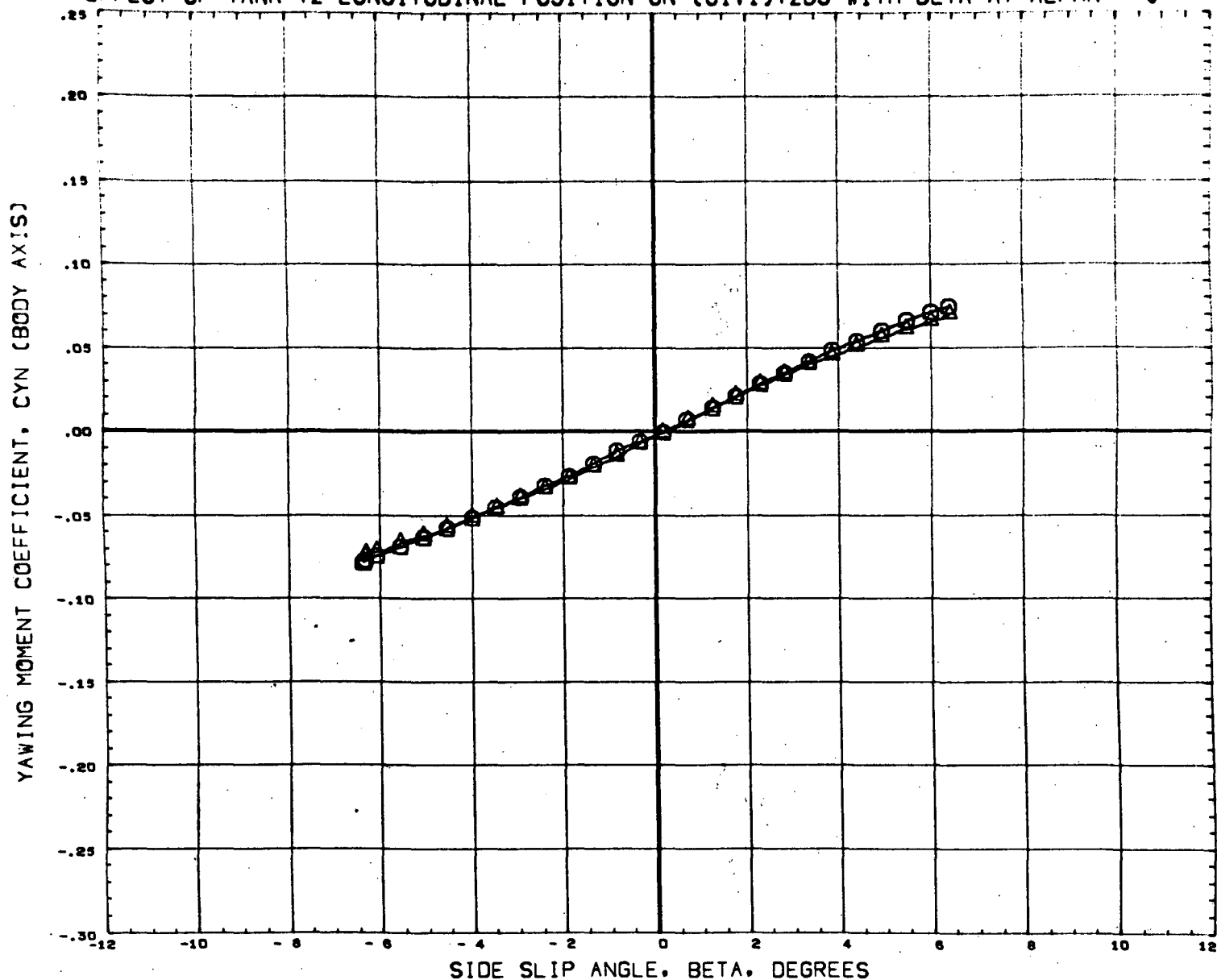
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD74E8)	MDAC S-222 COMPOSITE (T-CG) (01V1) T2B5
(ED74F1)	MDAC S-222 COMPOSITE (T-CG) (01V1) T2AB5

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRF	557.0004 IN.
				YMRF	0.0000 IN.
				ZMRF	200.0004 IN.
				SCALE	0.0060 SCALE

MACH 4.47

PAGE 1076

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 WITH BETA AT ALPHA = 0

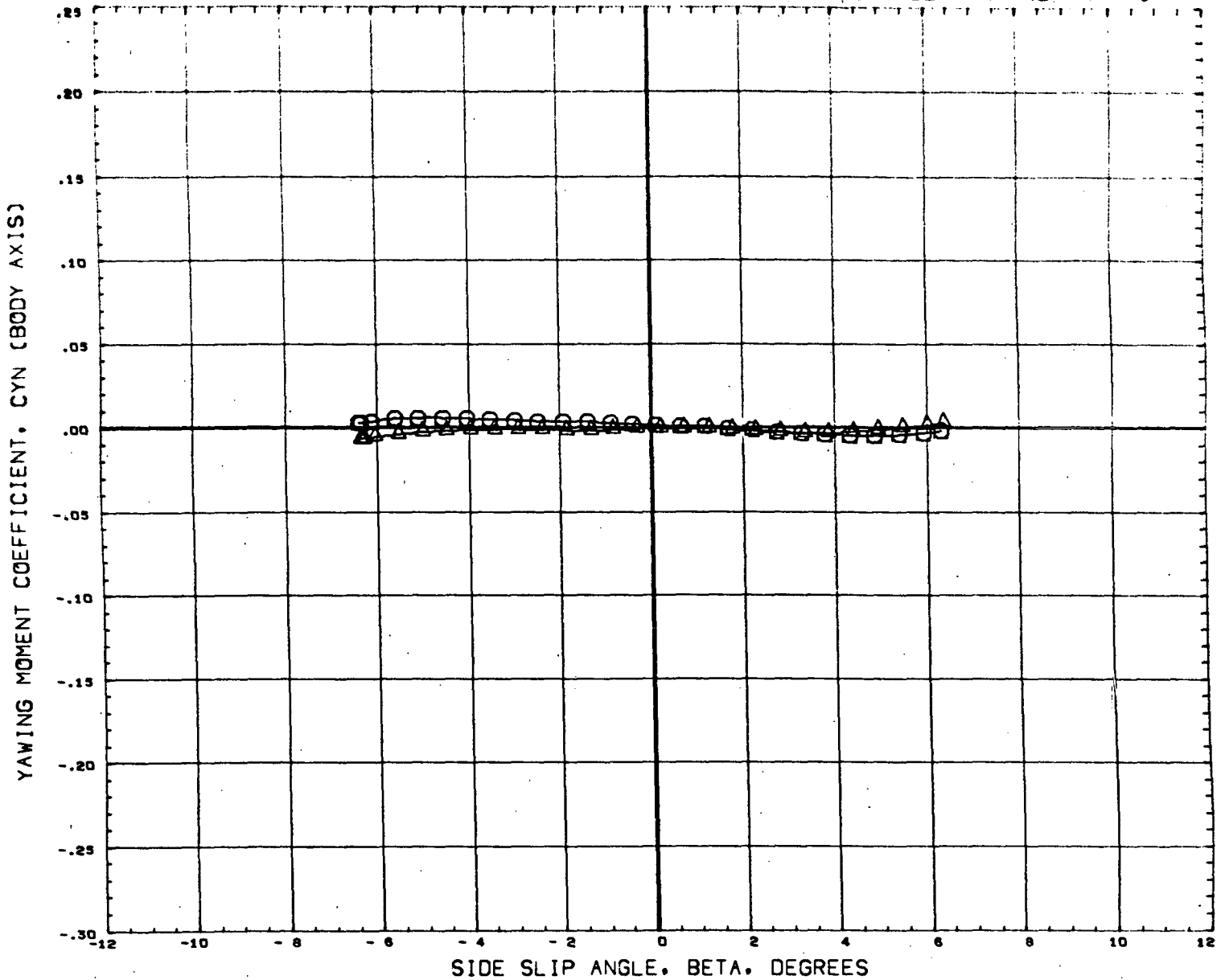


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(R074E9)	MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(E074F1)	MDAC S-222 COMPOSITE (T-CG) (01V1)T2A85	0.000	0.000	0.000	0.000	LREF	609.3004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060 SCALE

MACH 2.20

PAGE 1077

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 WITH BETA AT ALPHA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RD74E8)  $\Delta$  MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5  
 (ED74F1)  $\Delta$  MDAC S-222 COMPOSITE (T-CG) (01V1)T2AB5

ALPHA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION	
SREF	3155.3040 SQ.FT.
LREF	609.5004 IN.
BREF	882.0004 IN.
XMRP	557.0004 IN.
YMRP	0.0000 IN.
ZMRP	200.0004 IN.
SCALE	0.0060 SCALE

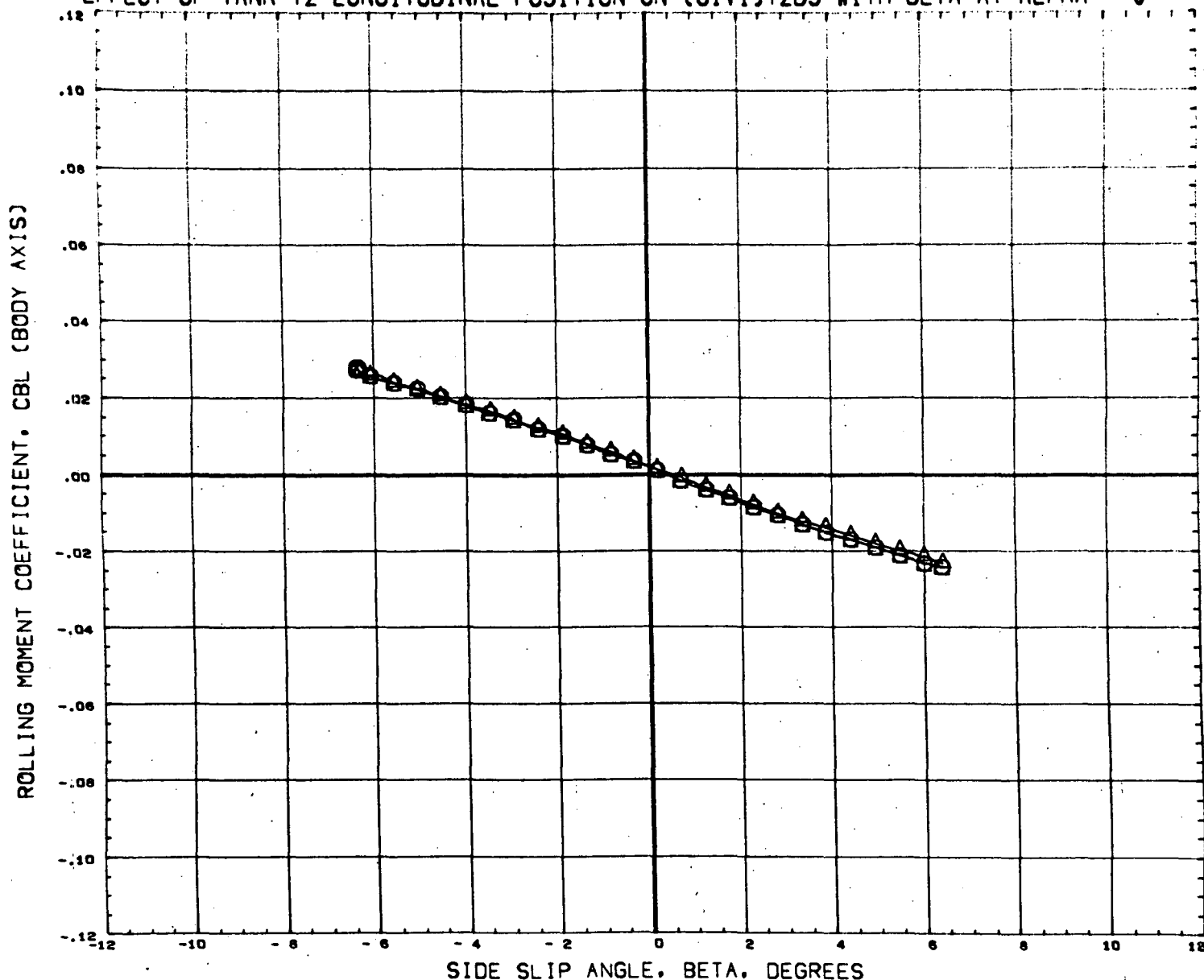
MACH


4.47

PAGE 1078



# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 WITH BETA AT ALPHA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RD74E8)  MDAC S-222 COMPOSITE (T-CG) (01V1)T2B5  
 (ED74F1)  MDAC S-222 COMPOSITE (T-CG) (01V1)T2AB5

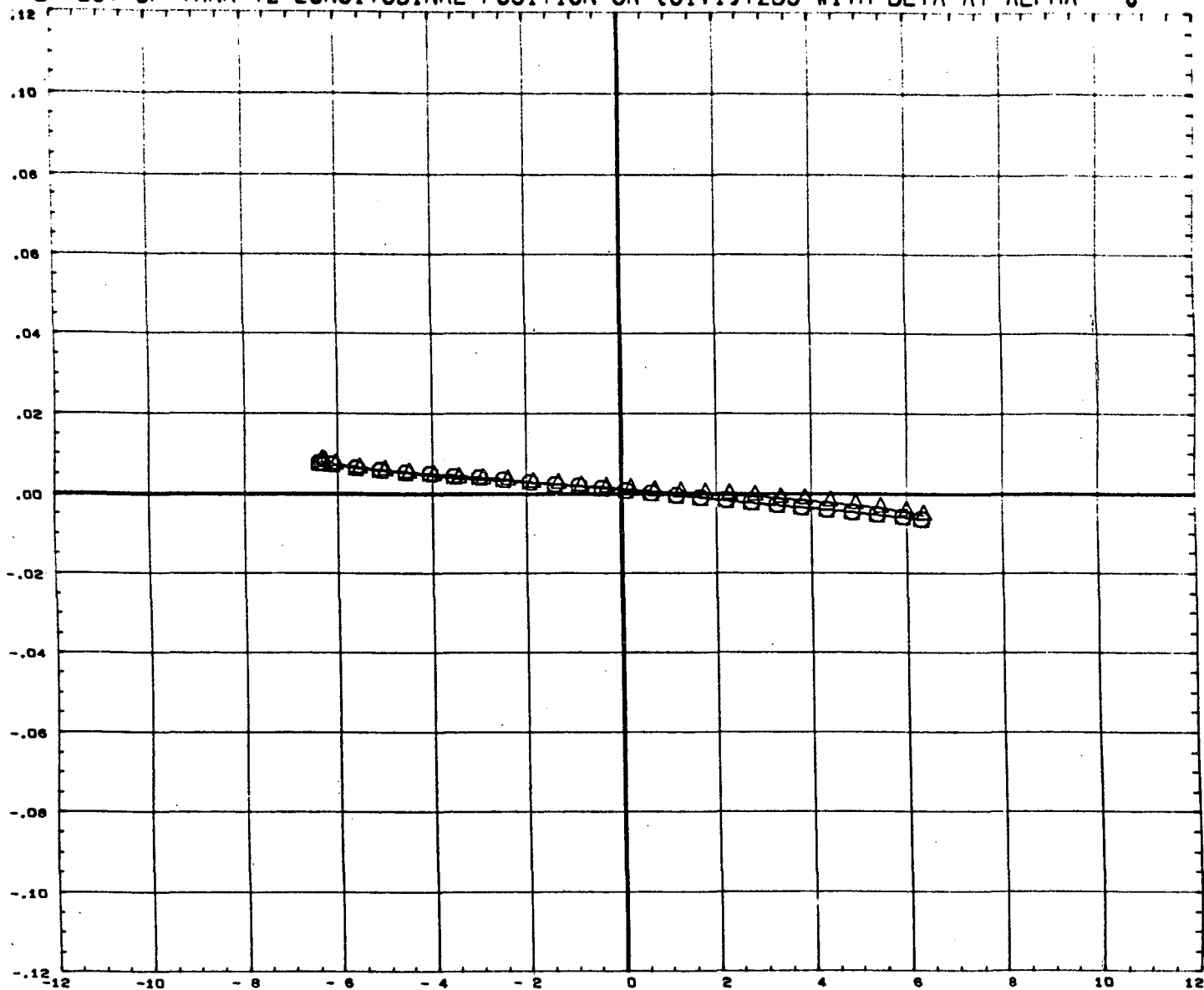
ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060 SCALE

MACH 2.20

PAGE 1079

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 WITH BETA AT ALPHA = 0

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD74E9)	MDAC S-222 COMPOSITE (T-CG) (01V1) T2B5
(ED74F1)	MDAC S-222 COMPOSITE (T-CG) (01V1) T2AB5

ALPHA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

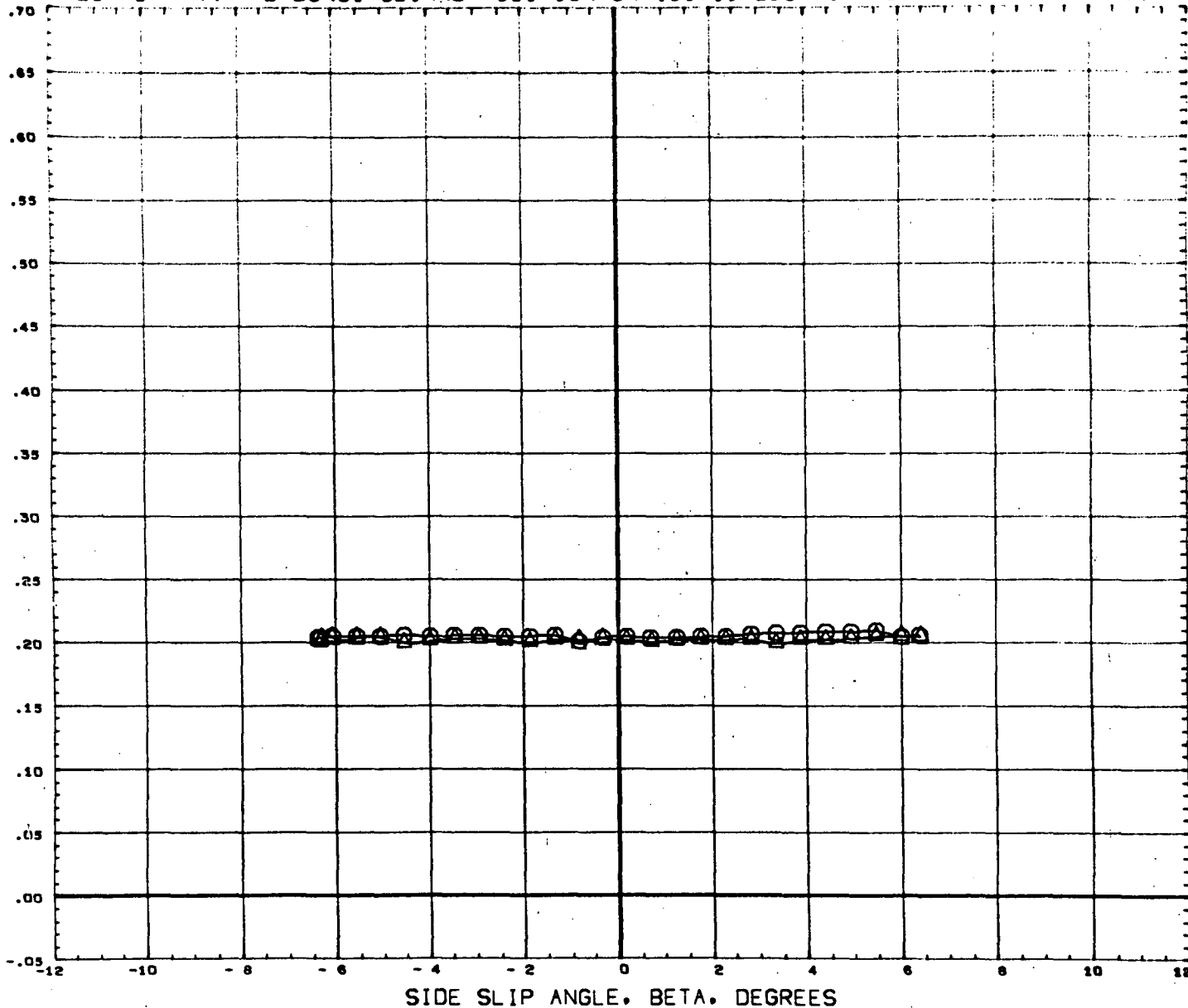
REFERENCE INFORMATION		
SREF	3155.3040	sq.ft.
LREF	609.5004	in.
BREF	882.0004	in.
XMRP	557.0004	in.
YMRP	0.0000	in.
ZMRP	200.0004	in.
SCALE	0.0060	SCALE

MACH 4.47

PAGE 1080

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 WITH BETA AT ALPHA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD74E8)	MDAC S-222 COMPOSITE (T-CG) (01V1) T2B5
(ED74F1)	MDAC S-222 COMPOSITE (T-CG) (01V1) T2AB5

ALPHA	ELEVTR	ATLRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

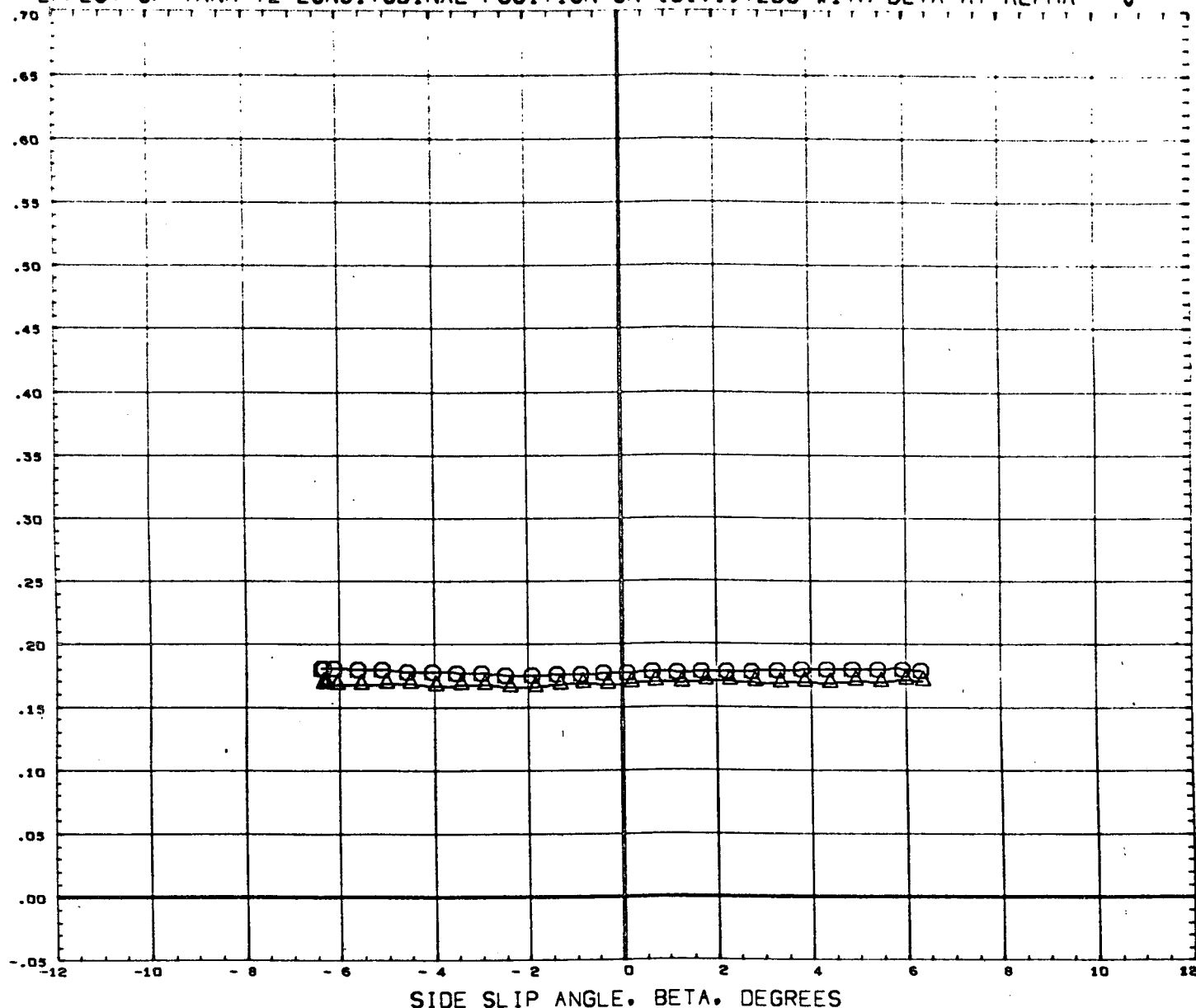
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	SCALE

MACH 2.20

PAGE 1081

# EFFECT OF TANK T2 LONGITUDINAL POSITION ON (01V1)T2B5 WITH BETA AT ALPHA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RD74E8) MDAC S-222 COMPOSITE (T-CG) (01V1) T2B5  
 (ED74F1) MDAC S-222 COMPOSITE (T-CG) (01V1) T2AB5

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060 SCALE

MACH 4.47

PAGE 1082